# Nostratic Etymological Index

Allan R. Bomhard

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Florence, SC, USA

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*By*
Allan R. Bomhard

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By Allan R. Bomhard

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# FOREWORD

This *Nostratic Etymological Index* contains all of the Proto-Nostratic roots and their derived verbal and nominal forms cited in the second and third volumes (Part Three: Comparative Vocabulary) of the third revised, corrected, and expanded edition of my book *A Comprehensive Introduction to Nostratic Comparative Linguistics* (published on-line under a Creative Commons License [2018]). This Index does not include either the supporting data from the daughter languages or the references. The supporting data can be found in Volumes 2 and 3 of the above book, while the references can be found in Volume 4.

In comparing the lexical material from the various Nostratic daughter languages, I have tried to be very careful about the issue of semantic plausibility. Where there is either a one-to-one or an extremely close semantic correspondence, there is, of course, no problem. Unfortunately, things are not always this straightforward. Quite often, there is not a one-to-one semantic correspondence — in such cases, we must be able to derive the proposed cognates from the postulated ancestor form by widely-attested semantic shifts and not by mere speculation. Therefore, in attempting to determine whether or not particular lexical items from the various language families under consideration might be related, I have made extensive use of Carl Darling Buck's *A Dictionary of Selected Synonyms in the Principal Indo-European Languages* (1949) as a control for the semantic development of the proposed lexical parallels, and references to the appropriate sections of this work are given at the end of each proposed Nostratic etymology in my book. It may be noted that, in examining the lexicons of Kartvelian, Afrasian, Uralic-Yukaghir, Elamo-Dravidian, Altaic, and Eskimo-Aleut, semantic shifts similar to those described by Buck for the Indo-European languages are found over and over again in these other language families as well. I cannot emphasize strongly enough that, in order to gain a complete understanding of how I arrived at my proposals, Buck's dictionary must be consulted. However, in a number of instances, where I felt it was warranted due to the wide semantic differences found among the forms cited from the daughter languages, I have given brief explanations within the etymologies themselves.

As valuable as Buck's dictionary is, however, it is not without its shortcomings. In the first place, as noted by Buck himself, the dictionary is not complete — due to the nature of the material involved, Buck and his assistants had to be selective in choosing what to include. Next, the research upon which the dictionary is based is now well over half a century old. Therefore, Buck's dictionary must be supplemented by more recent scholarship. Unfortunately, however, this work is spread throughout so many journal articles, dissertations, and books that it is virtually impossible to consult all of it, especially when one is dealing with multiple language families.

It is not enough, moreover, simply to compare dictionary forms. Rather, when working with the lexical data from the various Nostratic daughter languages, one

must strive to ascertain the underlying semantics, that is to say, the fundamental meaning or meanings from which the full set of semantic nuances are derived, based upon actual usage, wherever this is possible, and one must be cognizant of the interrelationship between social, cultural, and conceptual factors on the one hand and semantic structures on the other. It goes without saying that this is neither a simple nor an easy undertaking.

The approach that I have followed thus leads to the establishment of what may be called "families of words" in the tradition of the great Indo-European comparative dictionaries by Julius Pokorny (1959) and Alois Walde (1927—1932). The starting point is always the reconstructed Nostratic forms. The material cited from the individual Nostratic daughter languages is then to be judged primarily by whether or not it can be convincingly derived from the antecedent Nostratic forms either directly or through widely-attested semantic shifts.

The difficulties involved in dealing with semantic change in unattested languages have been clearly articulated by Werner Winter:

> The difficulties encountered by the etymologist reaching out toward unattested and hence textless languages are deep-rooted and virtually insurmountable. When one reads an intelligently written, richly documented book such as Blank 1997, one cannot help being impressed with the fact that it is relatively easy to describe and classify semantic changes such as metonymy and metaphor that occurred in the course of the history of an individual language or a group of closely related languages, but that there is a near total absence of what one might call determinacy and hence predictability as to the kind and direction of the changes that can be shown to have taken place and therefore can be expected to occur again under comparable circumstances. The applicability of a form may remain unchanged, it may be extended to cover additional meaning configurations, it may be narrowed, it may be eliminated altogether; new denotations added may concern closely related items, as in the case of metonymy, or seemingly very different ones, as when metaphors are used. As long as one limits oneself to a retrospective analysis of data from historically well-attested languages, the lack of regularity will not affect the descriptive adequacy of one's findings; if, however, one turns to the study of prehistoric stages of a language or a group of languages, one is left with hardly any well-defined criteria by which to evaluate one's hypotheses (and those of others). The only criterion that seems to be operationally usable derives from the assumption made above: if both phonetic and semantic change occurred in relatively small steps, feature by feature, component by component, then the likelihood that a hypothesis might be correct can be said to be supported in a more than subjective way. This does not eliminate the difficulty that observable change can occur in all possible directions and that to complicate matters even further, in the course of a historical development, the direction may change at any time. If that is the case, it follows that in the absence of observable data — that is, under conditions normal for reconstructional linguists — no objectifiable criteria can be called upon by the etymologist, and his proposals will always reflect his personal preferences.

Another important point that needs to be reiterated concerns how I segment the reconstructed forms I am dealing with. Comparison of the various Nostratic daughter languages indicates that the rules governing the structural patterning of roots and stems is Proto-Nostratic were most likely as follows:

1. There were no initial vowels in Proto-Nostratic. Therefore, every root began with a consonant.
2. There were no initial consonant clusters either. Consequently, every root began with one and only one consonant. Medial clusters were permitted, however.
3. Two basic root types existed: (A) **CV* and (B) **CVC*, where *C* = any non-syllabic, and *V* = any vowel. Permissible root forms coincided exactly with these two syllable types.
4. A stem could either be identical with a root or it could consist of a root plus a single derivational morpheme added as a suffix to the root: **CVC*+*C*-. Any consonant could serve as a suffix. Note: In nominal stems, this derivational suffix was added directly to the root: **CVC*+*C*-. In verbal stems, it was added after the formative vowel: **CVC*+$V_{FV}$+*C*-. (FV = formative vowel.)
5. A stem could thus assume any one of the following shapes: (A) **CV*-, (B) **CVC*-, (C) **CVC*+*C*-, or (D) (reduplicated) **CVC*-*CVC*-. As in Proto-Altaic, the undifferentiated stems were real forms in themselves and could be used without additional suffixes or grammatical endings. However, when so used, a vowel had to be added to the stem: (A) **CV*- > **CV* (no change), (B) **CVC*- > **CVC*+V, (C) **CVC*+*C*- > **CVC*+*C*+V, or (D) (reduplicated) **CVC*-*CVC*- > **CVC*-*CVC*+V. Following Afrasian terminology, this vowel may be called a "terminal vowel" (TV). Not only did terminal vowels exist in Proto-Afrasian, they are also found in Dravidian, where they are called "enunciative vowels", and in Elamite, where they are called "thematic vowels". In Proto-Dravidian, the enunciative vowel was only required in stems ending in obstruents, which could not occur in final position.

The original root structure patterning was maintained longer in Afrasian, Dravidian, and Altaic than in the other branches, while the patterning found in Proto-Indo-European and Proto-Kartvelian has been modified by developments specific to each of these branches. The root structure constraints found in Proto-Indo-European were an innovation. In Proto-Uralic, the rule requiring that all words end in a vowel was an innovation and arose from the incorporation of the so-called "terminal vowel" into the stem. It should be mentioned here that reduplication was a widespread phenomenon.

On the basis of the evidence of Proto-Indo-European, Proto-Kartvelian, Proto-Afrasian, Proto-Dravidian, and Proto-Altaic, it may be assumed that there were three fundamental stem types: (A) verbal stems, (B) nominal and adjectival stems, and (C) pronominal and indeclinable stems. Some stems were exclusively nominal. In the majority of cases, however, both verbal stems and nominal stems could be built from the same root. In Proto-Nostratic, only pronominal and indeclinable

stems could end in a vowel. Verbal and nominal stems, on the other hand, had to end in a consonant, though, as noted above, when the undifferentiated stems were used as real words in themselves, a "terminal vowel" had to be added to the stem. As explained in Chapter 17 of my book, the terminal vowels were morphologically significant (as were the "formative vowels").

Etymological (where they exist) and non-etymological dictionaries for individual languages have also been heavily consulted, as have journal articles and papers beyond count — a complete list can be found in the references in Volume 4 of my book.

Proto-Nostratic verbs are cited in their root/stem form, nouns in the "*status indeterminatus*" form (that is, *-*a*).

Adjectives did not exist as an independent grammatical category in Proto-Nostratic. Intransitive verbs could function as "adjectives". Also, "adjectives" were differentiated from nouns mainly by syntactical means — a noun placed before another noun functioned as an attribute to the latter. To illustrate the different semantic functions of nominal words, Proto-Nostratic **bar-a* could mean: (n) 'goodness, kindness'; (adj.) 'good, kind'; (adv.) 'goodly, kindly, well'.

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January 2018

# CHAPTER 1

## PROTO-NOSTRATIC *b

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| b- | b- | p- | b- | $b^h$- | p- | b- | p- |
| -b- | -b- | -pp-/-vv- | -b- | -$b^h$- | -w- | -b- | -v- |

1. Proto-Nostratic root **baʕ-* (~ **bəʕ-*):
   (vb.) **baʕ-* 'to pour';
   (n.) **baʕ-a* 'torrent, outpour'

2. Proto-Nostratic root **baʕ-* (~ **bəʕ-*):
   (vb.) **baʕ-* 'to tie, to bind; to attach, to fasten';
   (n.) **baʕ-a* 'tie, bond, bandage, fastening'

3. Proto-Nostratic (n.) **baba* 'father' (nursery word)

4. Proto-Nostratic (n.) **baaba* 'child, babe' (nursery word)

5. Proto-Nostratic root **bad-* (~ **bəd-*):
   (vb.) **bad-* 'to split, to cleave, to separate, to divide';
   (n.) **bad-a* 'split, crack, breach, opening'

6. Proto-Nostratic root **bad-* (~ **bəd-*):
   (vb.) **bad-* 'to waste, to dissipate, to squander';
   (n.) **bad-a* 'dissipation, waste, wasteland, desolated area'

7. Proto-Nostratic root **bad-* (~ **bəd-*):
   (vb.) **bad-* 'to occur, to happen, to experience, to endure; to cause to endure, to make to suffer, to oppress';
   (n.) **bad-a* 'experience, happening, trouble, distress, suffering, oppression'
   Derivative:
   (n.) **bad-a* 'need, want, lack, deprivation'

8. Proto-Nostratic (n.) **bad-a* 'need, want, lack, deprivation' (> 'hunger'):
   Derivative of:
   (vb.) **bad-* 'to occur, to happen, to experience, to endure; to cause to endure, to make to suffer, to oppress';
   (n.) **bad-a* 'experience, happening, trouble, distress, suffering, oppression'

9. Proto-Nostratic root **bad-* (~ **bəd-*):
(vb.) **bad-* 'to fall down, to lie down; to decay, to weaken; to perish';
(n.) **bad-a* 'lying down, fall, sleep, ruin'

10. Proto-Nostratic root **bad-* (~ **bəd-*):
(vb.) **bad-* 'to bring into being, to bring forth; to bring into action, to initiate, to instigate, to activate, to originate';
(n.) **bad-a* 'creation, initiation, origination'

11. Proto-Nostratic (n.) **bag-a* 'goat, sheep'

12. Proto-Nostratic root **bag-* (~ **bəg-*):
(vb.) **bag-* 'to tie or bind together';
(n.) **bag-a* 'collection of things bound together: bunch, bundle, pack'

13. Proto-Nostratic root **bah-* (~ **bəh-*):
(vb.) **bah-* 'to shine';
(n.) **bah-a* 'brilliance, brightness, splendor, beauty; light'; (adj.) 'shining, bright, radiant'

14. Proto-Nostratic root **baħ-* (~ **bəħ-*):
(vb.) **baħ-* 'to make noise';
(n.) **baħ-a* 'noise, sound; voice'

15. Proto-Nostratic root **baħ-* (~ **bəħ-*):
(vb.) **baħ-* 'to cut, to cut off, to strike';
(n.) **baħ-a* 'cut, strike, blow'

16. Proto-Nostratic root **bak$^h$-* (~ **bək$^h$-*):
(vb.) **bak$^h$-* 'to declare, to utter, to announce, to assert, to proclaim';
(n.) **bak$^h$-a* 'declaration, utterance, announcement, assertion, proclamation'

17. Proto-Nostratic root **bak'-* (~ **bək'-*):
(vb.) **bak'-* 'to cleave, to split, to break open';
(n.) **bak'-a* 'crack, split, break'

18. Proto-Nostratic root **bal-* (~ **bəl-*):
(vb.) **bal-* 'to be or become dark, obscure, blind';
(n.) **bal-a* 'darkness, obscurity, blindness'; (adj.) 'dark, obscure, blind'

19. Proto-Nostratic root **bal-* (~ **bəl-*):
(vb.) **bal-* 'to well up, to surge, to overflow, to pour over';
(n.) **bal-a* 'outpour, downpour, surge, flow'

20. Proto-Nostratic root **bal-* (~ **bəl-*):
(vb.) **bal-* 'to bite, to eat';
(n.) **bal-a* 'bite, morsel'

21. Proto-Nostratic root **bal-* (~ **bəl-*):
(vb.) **bal-* 'to shine, to be bright';
(n.) **bal-a* 'glitter, gleam, brightness'

22. Proto-Nostratic root **ban-* (~ **bən-*):
(vb.) **ban-* 'to pour, to sprinkle, to drip';
(n.) **ban-a* 'a drop (of water, rain, dew, etc.)'

23. Proto-Nostratic root **ban-* (~ **bən-*):
(vb.) **ban-* 'to separate, to open, to spread';
(n.) **ban-a* 'separation, opening, stretch, spread, scattering'

24. Proto-Nostratic root (Eurasiatic only) **ban-* (~ **bən-*):
(vb.) **ban-* 'to cut, to strike';
(n.) **ban-a* 'cut, wound'

25. Proto-Nostratic root **ban-* (~ **bən-*):
Extended form:
(vb.) **ban-V-d-* 'to tie, bind, fasten, or twist (together)';
(n.) **ban-d-a* 'tie, bond'

Note: Only the extended form is attested in the daughter languages.

26. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* 'to swell, to puff up, to expand';
(n.) **bar-a* 'swelling, bulge, increase'
Derivatives:
(vb.) **bar-* 'to bristle (up), to stand on end';
(n.) **bar-a* 'bristle, point, spike'
(vb.) *bar-* 'to blow';
(n.) * *bar-a* 'wind'
(vb.) **bar-* 'to be thick, bushy, shaggy; to be coarse, rough, harsh'
(n.) **bar-a* 'roughness, coarseness, harshness; thickness, shagginess'; (adj.) 'rough, harsh, coarse; thick, shaggy, bushy'

27. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* 'to bristle (up), to stand on end';
(n.) **bar-a* 'bristle, point, spike'
Derivative of:
(vb.) **bar-* 'to swell, to puff up, to expand';
(n.) **bar-a* 'swelling, bulge, increase'

28. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) *bar-* 'to blow';
(n.) * *bar-a* 'wind'
Derivative of:
(vb.) **bar-* 'to swell, to puff up, to expand';
(n.) **bar-a* 'swelling, bulge, increase'

29. Proto-Nostratic **bar-* (~ **bər-*):
(vb.) **bar-* 'to be thick, bushy, shaggy; to be coarse, rough, harsh';
(n.) **bar-a* 'roughness, coarseness, harshness; thickness, shagginess'; (adj.) 'rough, harsh, coarse; thick, shaggy, bushy'
Derivative of:
(vb.) **bar-* 'to swell, to puff up, to expand';
(n.) **bar-a* 'swelling, bulge, increase'

30. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* 'to bear children, to give birth';
(n.) **bar-a* 'child'

31. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* 'to take or seize hold of, to grasp';
(n.) **bar-a* 'hold, grasp, seizure'

32. Proto-Nostratic (n.) **bar-a* 'seed, grain'

33. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* 'to shine, to be bright, to sparkle, to flash';
(n.) **bar-a* 'light, brightness; lightning'

34. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* 'to be kind, charitable, beneficent; to do good';
(n.) **bar-a* 'goodness, kindness'; (adj.) 'good, kind, beneficent'

35. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* 'to split (with a tool or weapon); to cut into, to carve; to scrape';
(n.) **bar-a* 'carving, engraving, cuttings, chip'

36. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* 'to make a sound, to utter a noise';
(n.) **bar-a* 'sound, noise'

37. Proto-Nostratic **bar-* (~ **bər-*):
(vb.) **bar-* 'to walk, to go (away)';
(n.) **bar-a* 'walking, going (away), leaving, departing'

38. Proto-Nostratic root *$bar^y$- (~ *$bər^y$-):
(vb.) *$bar^y$- 'to be or become barren, desolate, useless, unfruitful';
(n.) *$bar^y$-*a* 'open, fallow, or barren land'; (adj.) 'barren, desolate, useless, unfruitful'

39. Proto-Nostratic root **baw*- (~ **bəw*-):
(vb.) **baw*- 'to be or become aware of or acquainted with, to observe, to notice';
(n.) **baw-a* 'awareness, knowledge'

40. Proto-Nostratic root **bay*- (~ **bəy*-):
(vb.) **bay*- 'to apportion, to divide into shares, to distribute, to allot, to share';
(n.) **bay-a* 'portion, share'

41. Proto-Nostratic (n.) **bay-a* 'honey, bee'

42. Proto-Nostratic root **baǯ*- (~ **bəǯ*-):
(vb.) **baǯ*- 'to be abundant, to be numerous, to be much, to be many';
(n.) **baǯ-a* 'abundance'; (adj.) 'abundant, much, many'

43. Proto-Nostratic (n.) **ber-a* 'swamp'

44. Proto-Nostratic (n.) **b[e]r-a* 'knee'

45. Proto-Nostratic (n.) **bey-a* 'spirit, soul, self'

46. Proto-Nostratic relational marker **bi* 'in addition to, with, together with'

47. Proto-Nostratic root **bin*- (~ **ben*-):
(vb.) **bin*- 'to tie (together), to fasten, to twist together, to bind (together)';
(n.) **bin-a* 'tie, bond'

48. Proto-Nostratic (n.) **bin-a*, **ban-a* 'younger relative: (m.) younger brother, younger son; (f.) younger sister, younger daughter'

49. Proto-Nostratic root **bir*- (~ **ber*-):
(vb.) **bir*- 'to swell, to rise, to grow';
(n.) **bir-a* 'largeness, greatness, height, tallness'; (adj.) 'big, large, great, tall'
Extended form:
(vb.) **bir-V-g*- 'to be high';
(n.) **bir-g-a* 'height, high place'; (adj.) 'high, tall, lofty'

Note: The unextended form is found in Dravidian.

50. Proto-Nostratic root **bir-* (~ **ber-*):
(vb.) **bir-* 'to sing, to play (a musical instrument)';
(n.) **bir-a* 'singing, playing (a musical instrument), musical instrument'

51. Proto-Nostratic root **bir-* (~ **ber-*):
(vb.) **bir-* 'to cut, rip, pull, break, or tear off; to pull';
(n.) **bir-a* 'the act of cutting, ripping, pulling, breaking, or tearing off'

52. Proto-Nostratic root **bir$^{y}$-* (~ **ber$^{y}$-*):
(vb.) **bir$^{y}$-* 'to enjoy, to savor';
(n.) **bir$^{y}$-a* 'fruit'
Extended form:
(n.) **bir$^{y}$-q'-a* 'plum'

53. Proto-Nostratic (n.) **bir$^{y}$-a* 'penis'

54. Proto-Nostratic root **bit'$^{y}$-* (~ **bet'$^{y}$-*):
(vb.) **bit'$^{y}$-* 'to press between the fingers, to squeeze, to crush';
(n.) **bit'$^{y}$-a* 'squeeze, pinch, pressure'

55. Proto-Nostratic root **bit͡ɬ$^{h}$- (~ *bet͡ɬ$^{h}$-)*:
(vb.) **bit͡ɬ$^{h}$-* 'to break, to split, to prick (tr.); to split apart, to break open, to burst forth (intr.)';
(n.) **bit͡ɬ$^{h}$-a* 'break, slit, hole, piece broken off'

56. Proto-Nostratic **bor$^{y}$-a* '(n.) a dark color; (adj.) dark, dark-colored'

57. Proto-Nostratic root **bud-* (~ **bud-*):
(vb.) **bud-* 'to set fire to something, to kindle';
(n.) **bud-a* 'blaze, light, fire'

58. Proto-Nostratic (n.) **bud-a* 'lowest part or region (of anything)'

59. Proto-Nostratic (n.) **bud-a* 'stick'

60. Proto-Nostratic root **bug-* (~ **bog-*):
(vb.) **bug-* 'to blister, to swell';
(n.) **bug-a* 'boil, blister, pustule'

61. Proto-Nostratic root **bug-* (~ **bog-*):
Extended form:
(vb.) **bug-V-r-* 'to make a sound, to make a noise';
(n.) **bug-r-a* 'sound, noise'

Note: Only the extended form is attested in the daughter languages.

62. Proto-Nostratic (n.) **buk'-a* (~ **bok'-a*) 'male of small, hoofed animals: he-goat, buck'

63. Proto-Nostratic root **bul-* (~ **bol-*):
(vb.) **bul-* 'to swell, to expand, to spread out, to overflow; to puff up, to inflate';
(n.) **bul-a* 'large quantity or amount; expansion, spread, inflation; puff, blow'
Derivatives:
(n.) **bul-a* (~ **bol-a*) 'penis, testicle(s)'
(vb.) **bul-V-γ-* 'to ripen, to blossom, to bloom, to sprout, to mature';
(n.) **bul-γ-a* 'increase, growth, ripening, maturity, prosperity, blossoming'
Reduplicated:
(vb.) **bul-bul-* 'to swell, to bubble up';
(n.) **bul-bul-a* 'puff, bubble, swelling'

64. Proto-Nostratic (n.) **bul-a* (~ **bol-a*) 'penis, testicle(s)':
Derivative of:
(vb.) **bul-* 'to swell, to expand, to spread out, to overflow; to puff up, to inflate';
(n.) **bul-a* 'large quantity or amount; expansion, spread, inflation; puff, blow'

65. Proto-Nostratic root **bul-* (~ **bol-*):
Extended form:
(vb.) **bul-V-γ-* 'to ripen, to blossom, to bloom, to sprout, to mature';
(n.) **bul-γ-a* 'increase, growth, ripening, maturity, prosperity, blossoming'
Derivative of:
(vb.) **bul-* 'to swell, to expand, to spread out, to overflow; to puff up, to inflate';
(n.) **bul-a* 'large quantity or amount; expansion, spread, inflation; puff, blow'

66. Proto-Nostratic root (reduplicated) **bul-bul-* (~ **bol-bol-*) (> **bum-bul-* [~ **bom-bol-*]):
(vb.) **bul-bul-* (> **bum-bul-*) 'to swell, to bubble up';
(n.) **bul-bul-a* (> **bum-bul-a*) 'puff, bubble, swelling'
Derivative of:
(vb.) **bul-* 'to swell, to expand, to spread out, to overflow; to puff up, to inflate';
(n.) **bul-a* 'large quantity or amount; expansion, spread, inflation; puff, blow'

67. Proto-Nostratic root **bul-* (~ **bol-*):
(vb.) **bul-* 'to mix, to mix up, to confuse';
(n.) **bul-a* 'mixture, confusion, turbidity, blur'
Derivative:
(n.) **bul-a* 'that which is dark, dark colored; that which has mixed colors, that which is spotted'

68. Proto-Nostratic (n.) **bul-a* ‘that which is dark, dark-colored; that which has mixed colors, that which is spotted’
Derivative of:
(vb.) **bul-* ‘to mix, to mix up, to confuse’;
(n.) **bul-a* ‘mixture, confusion, turbidity, blur’

69. Proto-Nostratic root **bul-* (~ **bol-*):
(vb.) **bul-* ‘to crush, to grind, to weaken, to wear down; to become worn out, weak, tired, old’;
(n.) **bul-a* ‘that which is worn out, weak, tired: weakness, decline, decay, wear, etc.; (adj.) worn out, weak, tired, old’

70. Proto-Nostratic root **bun-* (~ **bon-*):
(vb.) **bun-* ‘to puff up, to inflate, to expand, to swell’;
(n.) **bun-a* ‘rounded protuberance, swelling, lump, hump, growth’
Extended form:
(vb.) **bun-V-g-* ‘to swell, to increase, to expand’;
(n.) **bun-g-a* ‘swelling’; (adj.) ‘swollen, fat, thick’
Derivative:
(vb.) **bun-* ‘to flow, to overflow’;
(n.) **bun-a* ‘flow, flood’

71. Proto-Nostratic root **bun-* (~ **bon-*):
(vb.) **bun-* ‘to flow, to overflow’;
(n.) **bun-a* ‘flow, flood’
Derivative of:
(vb.) **bun-* ‘to puff up, to inflate, to expand, to swell’;
(n.) **bun-a* ‘rounded protuberance, swelling, lump, hump, growth’

72. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* ‘to twist, to turn’;
(n.) **bur-a* ‘twist, turn’
Derivatives:
(vb.) **bur-* ‘to fight, to wrangle (over), to quarrel, to wrestle’;
(n.) **bur-a* ‘fight, dispute, quarrel, battle, struggle’
(vb.) **bur-* ‘to bore, to pierce’;
(n.) **bur-a* ‘gimlet, borer, auger’

73. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* ‘to fight, to wrangle (over), to quarrel, to wrestle’;
(n.) **bur-a* ‘fight, dispute, quarrel, battle, struggle’
Derivative of:
(vb.) **bur-* ‘to twist, to turn’;
(n.) **bur-a* ‘twist, turn’

74. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* 'to bore, to pierce';
(n.) **bur-a* 'gimlet, borer, auger'
Derivative of:
(vb.) **bur-* 'to twist, to turn';
(n.) **bur-a* 'twist, turn'

75. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* 'to blow, to blow about, to whirl, to rage';
(n.) **bur-a* 'storm, whirl, rage'

76. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* 'to bite, to eat';
(n.) **bur-a* 'food'

77. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* 'to cover, to wrap up';
(n.) **bur-a* 'cover, covering'

78. Proto-Nostratic (n.) **bur-a* '(fine, soft) feathers, fur, wool, (body) hair'

79. Proto-Nostratic (n.) **bur-a* 'eyelash, eyebrow'

80. Proto-Nostratic root **buw-* (~ **bow-*):
(vb.) **buw-* 'to go, to come, to proceed, to spend time';
(n.) **buw-a* 'going, coming, staying; abode, dwelling, residence'

81. Proto-Nostratic root **buw-* (~ **bow-*):
(vb.) **buw-* 'to become, to arise, to come into being, to grow';
(n.) **buw-a* 'growth, fullness, prosperity; blossom, bloom'

# CHAPTER 2

## PROTO-NOSTRATIC *$p^h$ (> PROTO-AFRASIAN *p)

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| $p^h$- | p- | p- | p- | $p^h$- | p- | $p^h$- | p- |
| -$p^h$- | -p- | -pp-/-v- | -p- | -$p^h$- | -p- | -$p^h$- | -p(p)- |

82. Proto-Nostratic root *$p^hač^h$- (~ *$p^həč^h$-):
(vb.) *$p^hač^h$- 'to split or break open, to split or break apart';
(n.) *$p^hač^h$-*a* 'crack, split, opening, break'

83. Proto-Nostratic root *$p^hač'$- (~ *$p^həč'$-):
(vb.) *$p^hač'$- 'to cover up';
(n.) *$p^hač'$-*a* 'skin, hide, covering'

84. Proto-Nostratic root *$p^haħ$- (~ *$p^həħ$-):
(vb.) *$p^haħ$- 'to eat;
(n.) *$p^haħ$-*a* 'food, nourishment'

85. Proto-Nostratic (n.) *$p^hak^h$-*a* 'scab, dried mucus'

86. Proto-Nostratic (n.) *$p^hal$-*a* (metathesized variant *$lap^h$-*a* in Uralic, Altaic, and part of Afrasian) 'spleen'

87. Proto-Nostratic root *$p^hal$- (~ *$p^həl$-):
(vb.) *$p^hal$- 'to split, to cleave';
(n.) *$p^hal$-*a* 'split, crack'
Derivative:
(n.) *$p^hal$-*a* 'stone'

88. Proto-Nostratic (n.) *$p^hal$-*a* 'stone'
Derivative of:
(vb.) *$p^hal$- 'to split, to cleave' (in the sense 'to chip or break stone[s]');
(n.) *$p^hal$-*a* 'split, crack'

89. Proto-Nostratic root *$p^hal$- (~ *$p^həl$-):
(vb.) *$p^hal$- 'to spread, to extend';
(n.) *$p^hal$-*a* 'that which is wide, flat, level, broad, open: expanse, open space or surface'; (adj.) 'wide, flat, level, broad, open'
Derivative:
(n.) *$p^hal$- 'flat of the hand, palm'

90. Proto-Nostratic (n.) *$p^h$*al-* ‘flat of the hand, palm’
Derivative of:
(vb.) *$p^h$*al-* ‘to spread, to extend’;
(n.) *$p^h$*al-a* ‘that which is wide, flat, level, broad, open: expanse, open space or surface’; (adj.) ‘wide, flat, level, broad, open’

91. Proto-Nostratic root *$p^h$*al-* (~ *$p^h$*əl-*):
(vb.) *$p^h$*al-* ‘to fill’;
(n.) *$p^h$*al-a* ‘fullness’; (adj.) ‘much, many’

92. Proto-Nostratic (n.) *$p^h$*al-a* ‘settlement, settled place’

93. Proto-Nostratic (n.) *$p^h$*al-a* ‘thumb, big toe’

94. Proto-Nostratic root *$p^h$*al-* (~ *$p^h$*əl-*):
(vb.) *$p^h$*al-* ‘to cover, to hide, to conceal’;
(n.) *$p^h$*al-a* ‘covering’

95. Proto-Nostratic root *$p^h al^y$- (~ *$p^h əl^y$-):
(vb.) *$p^h al^y$- ‘to burn, to be warm; to smart, to be painful’;
(n.) *$p^h al^y$-a ‘burn, burning sensation, pain’

96. Proto-Nostratic root *$p^h$*aŋ-* (~ *$p^h$*əŋ-*):
(vb.) *$p^h$*aŋ-* ‘to take in hand, to take hold of, to handle’;
(n.) *$p^h$*aŋ-a* ‘hand, handle’
Extended form (Indo-European and Uralic):
(vb.) *$p^h$*aŋ-V-*$k^{wh}$- ‘to take in hand, to take hold of, to handle’;
(n.) *$p^h$*aŋ-*$k^{wh}$*-a* ‘hand, handle’

97. Proto-Nostratic (n.) *$p^h$*aŋ-a* ‘front part, head, forehead, face’

98. Proto-Nostratic root *$p^h$*ar-* (~ *$p^h$*ər-*):
(vb.) *$p^h$*ar-* ‘to be fond of, to care for, to feel affection for; to be pleased, happy, satisfied, or delighted with’;
(n.) *$p^h$*ar-a* ‘love, affection; delight, joy’:

99. Proto-Nostratic root *$p^h$*ar-* (~ *$p^h$*ər-*):
(vb.) *$p^h$*ar-* ‘to separate, to divide, to break (apart)’;
(n.) *$p^h$*ar-a* ‘part, portion, share’

100. Proto-Nostratic root *$p^h$*ar-* (~ *$p^h$*ər-*):
(vb.) *$p^h$*ar-* ‘to spread, to scatter’;
(n.) *$p^h$*ar-a* ‘breadth, width, extension, space’; (adj.) ‘broad, extended, spread out, scattered’

101. Proto-Nostratic root *$p^h$*ar*- (~ *$p^h$*ər*-):
(vb.) *$p^h$*ar*- 'to press forward, to precede, to hasten in advance, to overtake, to surpass, to outstrip';
(n.) *$p^h$*ar-a* 'leader, master, lord, hero'; (adj.) 'chief, foremost, first'

102. Proto-Nostratic root *$p^h$*ar*- (~ *$p^h$*ər*-):
(vb.) *$p^h$*ar*- 'to move swiftly, to hasten, to be in a hurry, to be greatly agitated; to flutter, to fly, to flee';
(n.) *$p^h$*ar-a* 'flying, flight, fleeing'
Note also:
(vb.) *$p^h$*ir*- 'to move swiftly, to hasten, to be in a hurry, to be greatly agitated; to flutter, to fly, to flee';
(n.) *$p^h$*ir-a* 'flying, flight, fleeing'

103. Proto-Nostratic (n.) *$p^h$*ar-a* 'calf, heifer'
Note also:
(n.) *$p^h$*ur-a* 'calf, heifer'

104. Proto-Nostratic (n.) *$p^h$*ar-a*, (?) *$p^h$*ur-a* 'house'

105. Proto-Nostratic root *$p^h$*ar*- (~ *$p^h$*ər*-):
(vb.) *$p^h$*ar*- 'to go or pass; to go or pass over or across; to go forth or out';
(n.) *$p^h$*ar-a* 'going, passage, journey, crossing'

106. Proto-Nostratic root *$p^h ar^y$- (~ *$p^h ər^y$-):
(vb.) *$p^h ar^y$- 'to cover';
(n.) *$p^h ar^y$-a* 'covering'

107. Proto-Nostratic root *$p^h ar^y$- (~ *$p^h ər^y$-):
(vb.) *$p^h ar^y$- 'to ripen, to mature, to grow old, (hair) to turn gray';
(n.) *$p^h ar^y$-a* 'ripeness, maturity'; (adj.) 'ripe, mature, gray'

108. Proto-Nostratic root *$p^h as^y$- (~ *$p^h əs^y$-):
(vb.) *$p^h as^y$- 'to breathe out, to blow; to fart';
(n.) *$p^h as^y$-a* 'a fart'

109. Proto-Nostratic root *$p^h as^y$- (~ *$p^h əs^y$-):
(vb.) *$p^h as^y$- 'to split, to cleave, to break, to shatter';
(n.) *$p^h as^y$-a* 'split, break; part, share, portion'

110. Proto-Nostratic (n.) *$p^h as^y$-a* 'sperm, semen; male genitals, penis; descendant, offspring'

111. Proto-Nostratic root *$p^hat^h$- (~ *$p^hət^h$-):
(vb.) *$p^hat^h$- ‘to flutter, to quiver, to tremble, to palpitate, to move rapidly’;
(n.) *$p^hat^h$-*a* ‘haste, hurry’

112. Proto-Nostratic root *$p^hat^h$- (~ *$p^hət^h$-):
(vb.) *$p^hat^h$- ‘to open; to be wide, open, spacious, spread out; to stretch, to extend, to spread out’;
(n.) *$p^hat^h$-*a* ‘opening, open space’; (adj.) ‘wide, open, spacious’

113. Proto-Nostratic root *$p^hat'$- (~ *$p^hət'$-):
(vb.) *$p^hat'$- ‘to hasten, to move quickly’;
(n.) *$p^hat'$-*a* ‘foot’

114. Proto-Nostratic (n.) *$p^hat'$-*a* ‘chaff, husk, (unripe or blighted) grain’

115. Proto-Nostratic root (Eurasiatic only) *$p^hek^{wh}$-:
(vb.) *$p^hek^{wh}$- ‘to warm, to heat’ (> ‘to cook, to bake’);
(n.) *$p^hek^{wh}$-*a* ‘warmth, heat’; (adj.) ‘warm, hot’ (> ‘cooked, baked’)

116. Proto-Nostratic root *$p^hel$-:
(vb.) *$p^hel$- ‘to tremble, to shake; to be frightened, fearful, afraid’;
(n.) *$p^hel$-*a* ‘fright, fear’

117. Proto-Nostratic root *$p^hid$- (~ *$p^hed$-):
(vb.) *$p^hid$- ‘to seize, to hold, to clutch, to capture, to cling to’;
(n.) *$p^hid$-*a* ‘hold, grasp’

118. Proto-Nostratic root *$p^hin^y$- (~ *$p^hen^y$-):
(vb.) *$p^hin^y$- ‘to watch (over), to protect, to nourish, to nurture’;
(n.) *$p^hin^y$-*a* ‘protection, care; feeding, nourishing, nourishment’

119. Proto-Nostratic root *$p^hir$- (~ *$p^her$-):
(vb.) *$p^hir$- ‘to bring forth, to bear fruit’;
(n.) *$p^hir$-*a* ‘birth, issue, offspring, descendant, fruit’

120. Proto-Nostratic root *$p^hir$- (~ *$p^her$-):
(vb.) *$p^hir$- ‘to move swiftly, to hasten, to be in a hurry, to be greatly agitated; to flutter, to fly, to flee’;
(n.) *$p^hir$-*a* ‘flying, flight, fleeing’
Note also:
(vb.) *$p^har$- ‘to move swiftly, to hasten, to be in a hurry, to be greatly agitated; to flutter, to fly, to flee’;
(n.) *$p^har$-*a* ‘flying, flight, fleeing’

121. Proto-Nostratic root *$p^h$*ir*- (~ *$p^h$*er*-):
(vb.) *$p^h$*ir*- 'to twist, to turn';
(n.) *$p^h$*ir-a* 'twist, twining, turn; twine, string, rope, cord'

122. Proto-Nostratic root *$p^h$*ir*- (~ *$p^h$*er*-):
(vb.) *$p^h$*ir*- 'to tremble, to shake; to be afraid, to fear';
(n.) *$p^h$*ir-a* 'trembling, fear'

123. Proto-Nostratic root *$p^h$*it'*$^y$- (~ *$p^h$*et'*$^y$-):
(vb.) *$p^h$*it'*$^y$- 'to give birth to';
(n.) *$p^h$*it'*$^y$*-a* 'genitals (male or female); birth, origin'

124. Proto-Nostratic root *$p^h$*uʔ*- (~ *$p^h$*oʔ*-):
(vb.) *$p^h$*uʔ*- 'to swell, to fatten';
(n.) *$p^h$*uʔ-a* 'swelling, fullness, fat(ness)'

125. Proto-Nostratic root *$p^h$*ul*- (~ *$p^h$*ol*-) stem indicating downward motion:
(vb.) *$p^h$*ul*- 'to fall, to fall down, to collapse, to ruin, etc.';
(n.) *$p^h$*ul-a* 'fall, collapse, ruin'; (n.) 'fallen, ruined, weakened; low, base, vile, mean'

126. Proto-Nostratic root *$p^h$*ul*$^y$- (~ *$p^h$*ol*$^y$-):
(vb.) *$p^h$*ul*$^y$- 'to swell';
(n.) *$p^h$*ul*$^y$*-a* 'a swelling (on the skin): blister, abscess, pimple, etc.'
Derivative:
(n.) *$p^h$*ul*$^y$*-a* 'that which is fat, swollen, etc.' (> 'tallow, grease, fat, oil, blubber, etc.' in the daughter languages)

127. Proto-Nostratic (n.) *$p^h$*ul*$^y$*-a* 'that which is fat, swollen, etc.' (> 'tallow, grease, fat, oil, blubber, etc.' in the daughter languages)
Derivative of:
(vb.) *$p^h$*ul*$^y$- 'to swell';
(n.) *$p^h$*ul*$^y$*-a* 'a swelling (on the skin): blister, abscess, pimple, etc.'

128. Proto-Nostratic (n.) *$p^h$*ur-a* 'calf, heifer'
Note also:
(n.) *$p^h$*ar-a* 'calf, heifer'

129. Proto-Nostratic root *$p^h$*uš*- (~ *$p^h$*oš*-):
(vb.) *$p^h$*uš*- 'to breathe out, to sigh; to blow, to puff (up), to inflate';
(n.) *$p^h$*uš-a* 'puff, breath, snort; bulge'

# CHAPTER 3

## PROTO-NOSTRATIC *$p^h$ (> PROTO-AFRASIAN *f)

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| $p^h$- | f- | p- | p- | $p^h$- | p- | $p^h$- | p- |
| -$p^h$- | -f- | -pp-/-v- | -p- | -$p^h$- | -p- | -$p^h$- | -p(p)- |

130. Proto-Nostratic root *$p^h$*aħ*- (~ *$p^h$*əħ*-):
(vb.) *$p^h$*aħ*- 'to warm, to heat, to burn';
(n.) *$p^h$*aħ-a* 'fire, flame, spark'
Extended form:
(vb.) *$p^h$*aħ-V-w*- 'to warm, to heat, to burn';
(n.) *$p^h$*aħ-w-a* 'fire, flame, spark'

131. Proto-Nostratic (n.) *$p^h$*al-a* 'skin, hide'

132. Proto-Nostratic root *$p^h$*id*- (~ *$p^h$*ed*-):
(vb.) *$p^h$*id*- 'to tear, to pluck, to pull; to tear off, to pluck off, to pull off; to tear out, to pluck out, to pull out';
(n.) *$p^h$*id-a* 'the act of pulling, tearing, plucking'

133. Proto-Nostratic root *$p^h$*il$^y$*- (~ *$p^h$*el$^y$*-):
(vb.) *$p^h$*il$^y$*- 'to split, to cleave';
(n.) *$p^h$*il$^y$-a* 'split, crack'

134. Proto-Nostratic root *$p^h$*in*- (~ *$p^h$*en*-):
(vb.) *$p^h$*in*- 'to break';
(n.) *$p^h$*in-a* 'break'

135. Proto-Nostratic root *$p^h$*ir*- (~ *$p^h$*er*-):
(vb.) *$p^h$*ir*- 'to ask, to request, to entreat, to beseech, to pray';
(n.) *$p^h$*ir-a* 'request, entreaty, prayer'

136. Proto-Nostratic root *$p^h$*ut$^h$*- (~ *$p^h$*ot$^h$*-):
(vb.) *$p^h$*ut$^h$*- 'to vomit';
(n.) *$p^h$*ut$^h$-a* 'vomit'

137. Proto-Nostratic (n.) *$p^h$*ut$^h$-a* 'hole, opening'

138. Proto-Nostratic root *$p^h$*uw*- (~ *$p^h$*ow*-):
(vb.) *$p^h$*uw*- ‘to puff, to blow, to exhale; to puff up, to inflate’;
(n.) *$p^h$*uw-a* ‘a puff, the act of blowing, breath’

# CHAPTER 4

## PROTO-NOSTRATIC *p’

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| p’- | p’- | p- | p’- | p’- | p- | p- | p- |
| -p’- | -p’- | -pp-/-v- | -p’- | -p’- | -p- | -p- | -p-/ -pp- |

139. Proto-Nostratic (n.) **p’ap’-a* ‘old man, old woman’

140. Proto-Nostratic root **p’ul-* (~ **p’ol-*):
(vb.) **p’ul-* ‘to swell’;
(n.) **p’ul-a* ‘swelling, hump, lump, bulge’; (adj.) ‘swollen, round, bulbous’

141. Proto-Nostratic root **p’ul$^{y}$-* (~ **p’ol$^{y}$-*):
(vb.) **p’ul$^{y}$-* ‘to blow about; to give off smoke, vapor, steam’;
(n.) **p’ul$^{y}$-a* ‘mist, fog, haze; smoke, steam; cloud’

142. Proto-Nostratic root **p’ut’-* (~ **p’ot’-*):
(vb.) **p’ut’-* ‘to cut, tear, break, or pull off or apart’;
(n.) **p’ut’-a* ‘cut-off, pulled-off, torn-off, or broken-off piece or part’

# CHAPTER 5

## PROTO-NOSTRATIC *d

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| d- | d- | t- | d- | $d^h$- | t- | d- | t- |
| -d- | -d- | -ṭ(ṭ)- | -d- | -$d^h$- | -t- | -d- | -ð- |

143. Proto-Nostratic relational marker **da-* (~ **də-*) 'along with, together with, in addition to'

144. Proto-Nostratic (n.) **da-* 'mother, sister'; (reduplicated) (n.) **da-da-* 'mother, sister' (nursery words)

145. Proto-Nostratic root **dab-* (~ **dəb-*):
(vb.) **dab-* 'to make fast, to join together, to fit together, to fasten (together)';
(n.) **dab-a* 'joining, fitting, fastening'

146. Proto-Nostratic root **dag-* (~ **dəg-*):
(vb.) *dag-* 'to put, to place, to put in place; to be put in place, to be stable, to be firmly established';
(n.) **dag-a* 'place'

147. Proto-Nostratic root **daɢ-* (~ **dəɢ-*):
(vb.) **daɢ-* 'to glitter, to shine, to burn';
(n.) **daɢ-a* 'day'

148. Proto-Nostratic root **dal-* (~ **dəl-*):
(vb.) **dal-* 'to cut, to prick, to pierce, to gash, to notch, to gouge, to wound';
(n.) **dal-a* 'gash, notch, strike, split'

149. Proto-Nostratic root **dal-* (~ **dəl-*):
(vb.) **dal-* 'to stir up, to disturb, to roil (water), to agitate; to be disturbed, confused, agitated, troubled';
(n.) **dal-a* 'disturbance, agitation'
Note also:
(vb.) **dul-* 'to disturb, to perplex, to bewilder, to confuse, to ruffle, to upset, to baffle, to stir up trouble, to agitate; to be disturbed, perplexed, bewildered, confused, ruffled, upset, baffled, troubled, agitated' (> 'to drive someone crazy, mad, insane; to be crazy, mad, insane; to be dumb, stupid');
(n.) **dul-a* 'confusion, disturbance, trouble, agitation, perplexity' (> 'madness, craziness, insanity; stupidity')

150. Proto-Nostratic root *$dal^y$- (~ *$dəl^y$-):
(vb.) *$dal^y$- 'to oppress, to harass, to weaken, to tire';
(n.) *$dal^y$-*a* 'tiredness, weakness, exhaustion, weariness'; (adj.) 'oppressed, tired, weary, weak, exhausted'

151. Proto-Nostratic (n.) *$daq^h$-*a* 'male of certain animals: billy-goat, ram'

152. Proto-Nostratic root **dar*- (~ **dər*-):
(vb.) **dar*- 'to bend, to twist, to turn; to twist, wrap, or join together';
(n.) **dar*-*a* 'bend, turn, curve; that which bends, turns, winds, or twists: winding course or way'; (adj.) 'bent, curved, crooked; wrapped, twisted, turned, or joined together'

153. Proto-Nostratic root **dar*- (~ **dər*-):
(vb.) **dar*- 'to pound, to break; to harm, to injure, to torment';
(n.) **dar*-*a* 'harm, injury'; (adj.) 'harmful, malevolent' (> 'bad' in Kartvelian and, within Indo-European, in Celtic)

154. Proto-Nostratic root **dar*- (~ **dər*-):
(vb.) **dar*- 'to be or become dark';
(n.) **dar*-*a* 'dark spot, darkness'; (adj.) 'dark, black'

155. Proto-Nostratic root *$dar^y$- (~ *$dər^y$-):
(vb.) *$dar^y$- 'to swell, to enlarge';
(n.) *$dar^y$-*a* 'swelling, inflammation, blister, blotch, blemish; outgrowth, tumor'

156. Proto-Nostratic root (?) **daw*- (~ **dəw*-):
(vb.) **daw*- 'to sound, to resound, to make a noise';
(n.) **daw*-*a* 'sound, noise'

157. Proto-Nostratic root **daw*- (~ **dəw*-):
(vb.) **daw*- 'to put, to place, to set; to set up, to establish; to do, to make';
(n.) **daw*-*a* 'work, labor; deed, act'

158. Proto-Nostratic root **daw*- (~ **dəw*-):
(vb.) **daw*- 'to become deathly sick, to be ill; to die';
(n.) **daw*-*a* '(deadly) disease, sickness; death'

159. Proto-Nostratic root **day*- (~ **dəy*-):
(vb.) **day*- 'to throw, to cast, to put, to place';
(n.) **day*-*a* 'act, deed'

160. Proto-Nostratic root **day-* (~ **dəy-*):
(vb.) **day-* ‘to look at, to consider, to examine’;
(n.) **day-a* ‘judgment, examination, consideration’

161. Proto-Nostratic root **day-* (~ **dəy-*):
(vb.) **day-* ‘to take, to bring, to convey’;
(n.) **day-a* ‘leader, guide’

162. Proto-Nostratic root **did-* (~ **ded-*):
(vb.) **did-* ‘to swell, to rise’;
(n.) **did-a* ‘prominence, protuberance’; (adj.) ‘swollen, raised’

163. Proto-Nostratic (n.) **dig-a* ‘fish’

164. Proto-Nostratic root **diɢ-* (~ **deɢ-*):
(vb.) **diɢ-* ‘to be confused, puzzled, perplexed’;
(n.) **diɢ-a* ‘confusion, perplexity’

165. Proto-Nostratic root **dil$^{y}$-* (~ **del$^{y}$-*):
(vb.) **dil$^{y}$-* ‘to shine, to be or become bright’;
(n.) **dil$^{y}$-a* ‘daylight, morning’

166. Proto-Nostratic (n.) **dim-a* ‘raised or elevated place’; (adj.) ‘raised, elevated’

167. Proto-Nostratic root **diq$^{h}$-* (~ **deq$^{h}$-*):
(vb.) **diq$^{h}$-* ‘to crush, to pound or tamp (earth), to mold or knead (clay)’;
(n.) **diq$^{h}$-a* ‘earth, clay, mud’

168. Proto-Nostratic root **diy-* (~ **dey-*):
(vb.) **diy-* ‘to suck, to suckle’;
(n.) **diy-a* ‘breast, teat, nipple’

169. Proto-Nostratic root **dow-*, **doy-*:
(vb.) **dow-*, **doy-* ‘to slacken, to slow down; to grow weary, weak, faint’;
(n.) **dow-a*, **doy-a* ‘slackness, slowness, laxity, weariness, fatigue’; (adj.) ‘slow, slack, lax, weary’

170. Proto-Nostratic (n.) **dub-a* ‘back, hind part’

171. Proto-Nostratic (n.) **dud-a* ‘tip, point’

172. Proto-Nostratic root **dul-* (~ **dol-*):
(vb.) **dul-* ‘to burn, to be bright, to warm, to heat up’;
(n.) **dul-a* ‘heat, warmth, fire’

173. Proto-Nostratic root **dul-* (~ **dol-*):
(vb.) **dul-* 'to disturb, to perplex, to bewilder, to confuse, to ruffle, to upset, to baffle, to stir up trouble, to agitate; to be disturbed, perplexed, bewildered, confused, ruffled, upset, baffled, troubled, agitated' (> 'to drive someone crazy, mad, insane; to be crazy, mad, insane; to be dumb, stupid');
(n.) **dul-a* 'confusion, disturbance, trouble, agitation, perplexity' (> 'madness, craziness, insanity; stupidity')
Note also:
(vb.) **dal-* 'to stir up, to disturb, to roil (water), to agitate; to be disturbed, confused, agitated, troubled';
(n.) **dal-a* 'disturbance, agitation'

174. Proto-Nostratic root **dul$^{y}$-* (~ **dol$^{y}$-*):
(vb.) **dul$^{y}$-* 'to dangle, to hang, to swing back and forth';
(n.) **dul$^{y}$-* 'hanging, swinging; shaking, agitation, disturbance'

175. Proto-Nostratic root **dum-* (~ **dom-*):
(vb.) **dum-* 'to cut (off), to sever';
(n.) **dum-a* 'cut, severance; piece cut off, bit, fragment'

176. Proto-Nostratic root **dum-* (~ **dom-*):
(vb.) **dum-* 'to be silent';
(n.) **dum-a* 'silence'

177. Proto-Nostratic root **dum-* (~ **dom-*):
(vb.) **dum-* 'to cover over, to obscure; to cloud over; to become dark, to make dark, to darken';
(n.) **dum-a* 'darkness, cloud, fog'; (adj.) 'dark, cloudy'
Derivative:
(n.) (**dum-k'$^{w}$-a* >) **dun-k'$^{w}$-a* 'darkness, cloud'; (adj.) 'dark, cloudy'

178. Proto-Nostratic (n.) (**dum-k'$^{w}$-a* >) **dun-k'$^{w}$-a* 'darkness, cloud'; (adj.) 'dark, cloudy':
Derivative of:
(vb.) **dum-* 'to cover over, to obscure; to cloud over; to become dark, to make dark, to darken';
(n.) **dum-a* 'darkness, cloud, fog'; (adj.) 'dark, cloudy'

179. Proto-Nostratic root **dun-* (~ **don-*):
(vb.) **dun-* 'to run, to flow (out), to leak';
(n.) **dun-a* 'flow, spill, leak'

180. Proto-Nostratic root **dun$^{y}$-* (~ **don$^{y}$-*):
(vb.) **dun$^{y}$-* 'to cut off, to cleave, to split';
(n.) **dun$^{y}$-a* 'part, share; piece cut off, bit, fragment'

181. Proto-Nostratic root **dur*- (~ **dor*-):
(vb.) **dur*- 'to bore, to drill, to make a hole';
(n.) **dur-a* 'hole, opening'

182. Proto-Nostratic (n.) **dur-a* 'goat, sheep, ram' (perhaps originally 'horned animal')

183. Proto-Nostratic root **duw*- (~ **dow*-):
(vb.) **duw*- 'to blow about, to fly about, to scatter; to be blown, strewn, or scattered about';
(n.) **duw-a* 'anything blown, sprinkled, scattered, or strewn about: smoke, steam, vapor; rain, shower, drizzle, raindrops; dust'; (adj.) 'blown about, sprinkled, scattered, strewn'

# CHAPTER 6

## PROTO-NOSTRATIC *$t^h$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| $t^h$- | t- | t- | t- | $t^h$- | t- | $t^h$- | t- |
| -$t^h$- | -t- | -t(t)- | -t- | -$t^h$- | -t(t)- | -$t^h$- | -t(t)- |

184. Proto-Nostratic demonstrative stems:
Proximate: *$t^h a$- (~ *$t^h ə$-) 'this';
Intermediate: *$t^h i$- (~ *$t^h e$-) 'that';
Distant: *$t^h u$- (~ *$t^h o$-) 'that yonder'

185. Proto-Nostratic root *$t^h aħ$- (~ *$t^h əħ$-):
(vb.) *$t^h aħ$- 'to reduce, to diminish, to wear away, to lessen; to waste away, to grow thin';
(n.) *$t^h aħ$-*a* 'wear, decay, dissipation, maceration'

186. Proto-Nostratic root *$t^h ak^h$- (~ *$t^h ək^h$-):
(vb.) *$t^h ak^h$- 'to twist, to bend; to fasten, twist, bend, join, or hook together; to be twisted, bent';
(n.) *$t^h ak^h$-*a* 'hook, peg'

187. Proto-Nostratic root *$t^h ak'$- (~ *$t^h ək'$-):
(vb.) *$t^h ak'$- 'to touch, to push, to strike';
(n.) *$t^h ak'$-*a* 'touch, stroke'

188. Proto-Nostratic (n.) *$t^h al$-*a* 'head, top, end'

189. Proto-Nostratic root *$t^h al^y$- (~ *$t^h əl^y$-):
(vb.) *$t^h al^y$- (primary meaning) 'to stretch, to spread, to extend', (secondary meaning) 'to endure, to suffer, to bear';
(n.) *$t^h al^y$-*a* 'stretch, spread, thinness, breadth; pain, suffering, endurance'; (adj.) 'stretched, spread out, extended' (> 'broad, wide, thin, flat, etc.')

190. Proto-Nostratic root *$t^h al^y$- (~ *$t^h əl^y$-):
(vb.) *$t^h al^y$- 'to press, to thrust, to force, to push';
(n.) *$t^h al^y$-*a* 'pressure, thrust, force, push'

191. Proto-Nostratic root *$t^h an^y$- (~ *$t^h ən^y$-):
(vb.) *$t^h an^y$- 'to extend, to spread, to stretch; to endure, to be long-lasting';
(n.) *$t^h an^y$-*a* 'extension, width, length, breadth'; (adj.) 'stretched, extended, wide, broad, long-lasting'
Derivative:
(vb.) *$t^h an^y$- 'to be or become worn out, tired, old';
(n.) *$t^h an^y$-*a* 'exhaustion, weariness, fatigue'; (adj.) 'worn out, tired, old'

192. Proto-Nostratic root *$t^h an^y$- (~ *$t^h ən^y$-):
(vb.) *$t^h an^y$- 'to grow weary, exhausted, tired, old';
(n.) *$t^h an^y$-*a* 'exhaustion, weariness, fatigue, old age'; (adj.) 'tired, weary, exhausted, old'
Derivative of:
(vb.) *$t^h an^y$- 'to extend, to spread, to stretch; to endure, to be long-lasting';
(n.) *$t^h an^y$-*a* 'extension, width, length, breadth'; (adj.) 'stretched, extended, wide, broad, long-lasting'

193. Proto-Nostratic root *$t^h ap^h$- (~ *$t^h əp^h$-):
(vb.) *$t^h ap^h$- 'to strike, to knock, to hit, to beat, to pound; to trample';
(n.) *$t^h ap^h$-*a* 'stroke, slap, blow, hit'
Note also:
(vb.) **t'ap*$^h$- 'to strike, to beat, to pound';
(n.) **t'ap*$^h$-*a* 'stroke, blow'

194. Proto-Nostratic root *$t^h ar$- (~ *$t^h ər$-):
(vb.) *$t^h ar$- 'to draw, to drag, to pull';
(n.) *$t^h ar$-*a* 'drag, pull; something dragged or pulled along'
Possible derivative:
(vb.) *$t^h ar$- 'to spread, to spread out or about, to expand, to extend; to stretch, to stretch out; to scatter, to strew';
(n.) *$t^h ar$-*a* 'stretch, spread, expanse'; (adj.) 'stretched, tight, taut; spread, scattered, dispersed'

195. Proto-Nostratic root *$t^h ar$- (~ *$t^h ər$-):
(vb.) *$t^h ar$- 'to spread, to spread out or about, to expand, to extend; to stretch, to stretch out; to scatter, to strew';
(n.) *$t^h ar$-*a* 'stretch, spread, expanse'; (adj.) 'stretched, tight, taut; spread, scattered, dispersed'
Perhaps derived from:
(vb.) *$t^h ar$- 'to draw, to drag, to pull', in the sense 'to stretch by pulling';
(n.) *$t^h ar$-*a* 'drag, pull; something dragged or pulled along'

196. Proto-Nostratic root *$t^h$*ar*- (~ *$t^h$*ər*-):
(vb.) *$t^h$*ar*- 'to tear, to break, to split, to pierce';
(n.) *$t^h$*ar-a* 'cut, tear, split, incision; wound, injury; spear'

197. Proto-Nostratic root *$t^h$*ar*- (~ *$t^h$*ər*-):
(vb.) *$t^h$*ar*- 'to rub, to wear down';
(n.) *$t^h$*ar-a* 'wear'; (adj.) 'worn out, rubbed, abraded'
Possible Derivatives:
(vb.) *$t^h$*ar*- 'to wither, to wane, to dry up';
(n.) *$t^h$*ar-a* 'dryness'; (adj.) 'withered, dry, dried up, arid'
(vb.) *$t^h$*ar*- 'to scratch, to scrape, to plane';
(n.) *$t^h$*ar-a* 'scratching, scraping, raking; rake, comb'

198. Proto-Nostratic root *$t^h$*ar*- (~ *$t^h$*ər*-):
(vb.) *$t^h$*ar*- 'to wither, to wane, to dry up';
(n.) *$t^h$*ar-a* 'dryness'; (adj.) 'withered, dry, dried up, arid'
Perhaps derived from:
(vb.) *$t^h$*ar*- 'to rub, to wear down';
(n.) *$t^h$*ar-a* 'wear'; (adj.) 'worn out, rubbed, abraded'

199. Proto-Nostratic root *$t^h$*ar*- (~ *$t^h$*ər*-):
(vb.) *$t^h$*ar*- 'to scratch, to scrape, to plane';
(n.) *$t^h$*ar-a* 'scratching, scraping, raking; rake, comb'
Perhaps derived from:
(vb.) *$t^h$*ar*- 'to rub, to wear down';
(n.) *$t^h$*ar-a* 'wear'; (adj.) 'worn out, rubbed, abraded'

200. Proto-Nostratic root *$t^h$*ar*- (~ *$t^h$*ər*-):
(vb.) *$t^h$*ar*- 'to drink';
(n.) *$t^h$*ar-a* 'a drink; the act of drinking'; (adj.) 'drunk, tipsy, intoxicated'

201. Proto-Nostratic root *$t^h$*ar*- (~ *$t^h$*ər*-):
(vb.) *$t^h$*ar*- 'to tremble, to shake';
(n.) *$t^h$*ar-a* 'trembling, shaking (from fear, fright)'

202. Proto-Nostratic root *$t^h$*aw*- (~ *$t^h$*əw*-):
(vb.) *$t^h$*aw*- 'to swell';
(n.) *$t^h$*aw-a* 'swelling, protuberance, bulge, lump, hump'; (adj.) 'swollen, full, fat'

203. Proto-Nostratic *$t^h$*ek$^h$*-:
(vb.) *$t^h$*ek$^h$*- 'to take (away), to grasp, to seize, to remove';
(n.) *$t^h$*ek$^h$-a* 'the act of taking, grasping, seizing, removing'

204. Proto-Nostratic root (Eurasiatic only) *$t^hep^h$-:
(vb.) *$t^hep^h$- 'to warm, to burn';
(n.) *$t^hep^h$-*a* 'heat, warmth'
Note also:
(vb.) **t'ab*- 'to be or become warm; to make warm, to heat up; to cook';
(n.) **t'ab-a* 'heat, warmth'; (adj.) 'hot, warm; cooked, baked'

205. Proto-Nostratic second person pronoun stem: *$t^hi$- (~ *$t^he$-) 'you'; (oblique form) *$t^ha$- (~ *$t^hə$-)

206. Proto-Nostratic root *$t^hik^h$- (~ *$t^hek^h$-):
(vb.) *$t^hik^h$- 'to form, to fashion, to make, to create';
(n.) *$t^hik^h$-*a* 'tool used to form, fashion, make, or create something: axe, adze, chisel, etc.; the act of forming, fashioning, making, or creating something: action, deed, etc.'

207. Proto-Nostratic root *$t^hik'$- (~ *$t^hek'$-):
(vb.) *$t^hik'$- 'to press or squeeze together';
(n.) *$t^hik'$-*a* 'pressure, solidity, hardness, massiveness, firmness'; (adj.) 'compact, thick, massive, solid, firm'

208. Proto-Nostratic root *$t^hir$- (~ *$t^her$-):
(vb.) *$t^hir$- 'to have enough or more than enough, to have all needs fulfilled, to be satisfied, to have plenty';
(n.) *$t^hir$-*a* 'abundance, fullness'; (adj.) 'enough, abundant, full'
Extended form:
(vb.) *$t^hir$-*V*-$p^h$- 'to have enough, to have all needs fulfilled, to be satisfied, to have plenty';
(n.) *$t^hir$-$p^h$-*a* 'abundance, excess, surplus, plenty'

209. Proto-Nostratic root *$t^hir$- (~ *$t^her$-):
Extended form:
(vb.) *$t^hir$-*V*-$p^h$- 'to have enough, to have all needs fulfilled, to be satisfied, to have plenty';
(n.) *$t^hir$-$p^h$-*a* 'abundance, excess, surplus, plenty'
Derivative of:
(vb.) *$t^hir$- 'to have enough or more than enough, to have all needs fulfilled, to be satisfied, to have plenty';
(n.) *$t^hir$-*a* 'abundance, fullness'; (adj.) 'enough, abundant, full'

210. Proto-Nostratic (n.) *$t^hor^y$-*a* 'dust, soil, earth'

211. Proto-Nostratic root *$t^h$*ow*-:
(vb.) *$t^h$*ow*- ‘to snow’;
(n.) *$t^h$*ow-a* ‘snow-storm; snow, (hoar)frost’

212. Proto-Nostratic root *$t^h$*uk*$^h$- (~ *$t^h$*ok*$^h$-):
(vb.) *$t^h$*uk*$^h$- ‘to burn, to blaze’;
(n.) *$t^h$*uk*$^h$*-a* ‘ash(es), soot’

213. Proto-Nostratic root *$t^h$*ul*- (~ *$t^h$*ol*-):
(vb.) *$t^h$*ul*- ‘to lift, to raise; to pile up, to stack (in a heap)’;
(n.) *$t^h$*ul-a* ‘hill, mound; stack, heap’

214. Proto-Nostratic root *$t^h$*um*- (~ *$t^h$*om*-):
(vb.) *$t^h$*um*- ‘to cover over, to hide; to become dark’;
(n.) *$t^h$*um-a* ‘darkness’; (adj.) ‘dark’

215. Proto-Nostratic root *$t^h$*up*$^h$-:
(vb.) *$t^h$*up*$^h$- ‘to spit’;
(n.) *$t^h$*up*$^h$*-a* ‘spittle, saliva’

216. Proto-Nostratic root *$t^h$*ur*- (~ *$t^h$*or*-):
(vb.) *$t^h$*ur*- ‘to cram, to push in, to stuff, to thrust in, to press in’;
(n.) *$t^h$*ur-a* ‘pressure, force, thrust’

# CHAPTER 7

## PROTO-NOSTRATIC *t’

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| t’- | t’- | t- | t’- | t’- | t- | t- | t- |
| -t’- | -t’- | -t(t)- | -t’- | -t’- | -t- | -t- | -t- |

217. Proto-Nostratic root **t’ab-* (~ **t’əb-*):
(vb.) **t’ab-* ‘to be or become warm; to make warm, to heat up; to cook’;
(n.) **t’ab-a* ‘heat, warmth’; (adj.) ‘hot, warm; cooked, baked’
Note also:
(vb.) **$t^h$ep$^h$-* ‘to warm, to burn’;
(n.) **$t^h$ep$^h$-a* ‘heat, warmth’

218. Proto-Nostratic root **t’ad-* (**t’əd-*):
(vb.) **t’ad-* ‘to hinder, to stop, to obstruct’;
(n.) **t’ad-a* ‘hindrance, obstacle, impediment, obstruction’

219. Proto-Nostratic root **t’aħ-* (~ **t’əħ-*):
(vb.) **t’aħ-* ‘to break, to split; to crush, to grind, to pound’;
(n.) **t’aħ-a* ‘break, split, division; anything ground or pulverized’

220. Proto-Nostratic root **t’ak$^h$-* (~ **t’ək$^h$-*):
(vb.) **t’ak$^h$-* ‘to be fit, appropriate, suitable, proper’;
(n.) **t’ak$^h$-a* ‘fitness, appropriateness, suitability, propriety’; (adj.) ‘fit, appropriate, suitable, proper’

221. Proto-Nostratic root **t’al-* (~ **t’əl-*):
(vb.) **t’al-* ‘to lick’;
(n.) **t’al-a* ‘licking’

222. Proto-Nostratic root **t’al-* (~ **t’əl-*):
(vb.) **t’al-* ‘to plunge, sink, dive, dip, or fall into; to immerse’;
(n.) **t’al-a* ‘immersion; depth’

223. Proto-Nostratic root **t’al-* (~ **t’əl-*):
(vb.) **t’al-* ‘to stretch out, to extend’;
(n.) **t’al-a* ‘length; height’; (adj.) ‘long, tall; high’

224. Proto-Nostratic root **t’al$^y$-*:
(vb.) **t’al$^y$-* ‘to drip, to fall in drops, to sprinkle, to wet, to moisten’;
(n.) **t’al$^y$-a* ‘dew, (rain) drop, drizzle’

225. Proto-Nostratic root **t'am-*:
(vb.) **t'am-* 'to make or construct (something) in a skillful manner' (> 'to build');
(n.) **t'am-a* 'the act of making or constructing (something) in a skillful manner' (> 'craft, skill'); 'that which is made or constructed in a skillful manner' (> 'building, structure'); 'one who makes or constructs (something) in a skillful manner' (> 'craftsman, carpenter')

226. Proto-Nostratic root **t'an-* (~ **t'ən-*):
(vb.) **t'an-* 'to fill, to stuff, to pack or load tightly together';
(n.) **t'an-a* 'closeness, thickness, density; load, burden'; (adj.) 'tightly packed or pressed together; close, thick, dense'

227. Proto-Nostratic root **t'an-* (~ **t'ən-*):
(vb.) **t'an-* 'to tie, to bind, to plait, to weave';
(n.) **t'an-a* 'anything woven or plaited'

228. Proto-Nostratic root **t'ap$^h$-* (~ **t'əp$^h$-*):
(vb.) **t'ap$^h$-* 'to strike, to beat, to pound';
(n.) **t'ap$^h$-a* 'stroke, blow'
Note also:
(vb.) **t$^h$ap$^h$-* 'to strike, to knock, to hit, to beat, to pound; to trample';
(n.) **t$^h$ap$^h$-a* 'stroke, slap, blow, hit'

229. Proto-Nostratic root **t'aq'-* (~ **t'əq'-*):
(vb.) **t'aq'-* 'to cover, to protect';
(n.) **t'aq'-a* 'covering'

230. Proto-Nostratic root **t'ar-* (~ **t'ər-*):
(vb.) **t'ar-* 'to tear, to rend, to cut, to sever';
(n.) **t'ar-a* 'rip, tear, cut, slice'
Extended form:
(vb.) **t'ar-V-p$^h$-* 'to tear, to rend, to pluck';
(n.) **t'ar-p$^h$-a* 'tearing, rending, plucking'

231. Proto-Nostratic root **t'ar-* (~ **t'ər-*):
Extended form:
(vb.) **t'ar-V-p$^h$-* 'to tear, to rend, to pluck';
(n.) **t'ar-p$^h$-a* 'tearing, rending, plucking'
Derivative of:
(vb.) **t'ar-* 'to tear, to rend, to cut, to sever';
(n.) **t'ar-a* 'rip, tear, cut, slice'

232. Proto-Nostratic root *t’aw- (~ *t’əw-):
(vb.) *t’aw- ‘to go, to leave, to go away; to let go’;
(n.) *t’aw-a ‘distance, remoteness’; (adj.) ‘far away, remote, at a distance’

233. Proto-Nostratic root *t’aw- (~ *t’əw-):
(vb.) *t’aw- ‘to hit, to strike’;
(n.) *t’aw-a ‘stroke, blow, injury, harm, damage’

234. Proto-Nostratic (Eurasiatic only) (n.) *t’ay-a ‘(elder) male in-law, (elder) male relative’

235. Proto-Nostratic root *t’ay- (~ *t’əy-) or *t’iy- (~ *t’ey-):
(vb.) *t’ay- or *t’iy- ‘to shine, to gleam, to be bright, to glitter, to glow; to burn brightly’;
(n.) *t’ay-a or *t’iy-a ‘light, brightness, heat’

236. Proto-Nostratic root *t’eʔ-:
(vb.) *t’eʔ- ‘to say, to speak’;
(n.) *t’eʔ-a ‘sound, speech’

237. Proto-Nostratic root *t’el-:
(vb.) *t’el- ‘to ask for, to request, to beg, to beseech’;
(n.) *t’el-a ‘request, wish, desire’

238. Proto-Nostratic (n.) *t’id-a ‘elevated ground, hill, mountain’:

239. Proto-Nostratic root *t’il- (~ *t’el-):
(vb.) *t’il- ‘to say, to tell; to recount, to list, to enumerate’;
(n.) *t’il-a ‘talk, speech, discourse, tale’
Derivative:
(n.) *t’il-a ‘tongue, language’

240. Proto-Nostratic (n.) *t’il-a ‘tongue, language’:
Derivative of:
(vb.) *t’il- ‘to say, to tell; to recount, to list, to enumerate’;
(n.) *t’il-a ‘talk, speech, discourse, tale’

241. Proto-Nostratic (n.) *t’or$^{y}$-a ‘tree, the parts of a tree’ (> ‘leaf, branch, bark, etc.’)

242. Proto-Nostratic root (Eurasiatic only) *t’ox$^{w}$-:
(vb.) *t’ox$^{w}$- ‘to give, to bring’;
(n.) *t’ox$^{w}$-a ‘giving, gift, present’

243. Proto-Nostratic root *t'uʔ$^{w}$- (~ *t'oʔ$^{w}$-):
(vb.) *t'uʔ$^{w}$- 'to separate, divide, or split into two parts; to cut in half';
(n.) *t'uʔ$^{w}$-a 'separation or division into two; two halves'
Note: used as the base for the numeral 'two' in Indo-European and Altaic.

244. Proto-Nostratic root *t'uk'- (~ *t'ok'-):
(vb.) *t'uk'- 'to knock, to beat, to strike, to pound, to trample';
(n.) *t'uk'-a 'knock, thump, blow, stroke'

245. Proto-Nostratic (Eurasiatic only) (n.) *t'ul$^{y}$-a 'wedge, peg'

246. Proto-Nostratic root *t'um- (~ *t'om-):
(vb.) *t'um- 'to quiet, to calm, to pacify, to tame';
(n.) *t'um-a 'quietness, calmness, peace, tranquility'; (adj.) 'quiet, calm, tame, peaceful'

247. Proto-Nostratic root *t'uq'$^{w}$- (~ *t'oq'$^{w}$-):
(vb.) *t'uq'$^{w}$- 'to be dark, cloudy, dusty, dirty, sooty, smoky';
(n.) *t'uq'$^{w}$-a 'darkness, (dark) cloud, dust, dirt, soot, smoke'

# CHAPTER 8

## PROTO-NOSTRATIC *$d^y$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| $d^y$- | $d^y$- | c- | ǯg- | $d^h$- | $t^y$- | ǯ- | c- |
| -$d^y$- | -$d^y$- | -c(c)-/ -y- | -ǯg- | -$d^h$- | -$t^y$- | -ǯ-/ -d- | -c- |

248. Proto-Nostratic root *$d^yab$- (~ *$d^yəb$-):
(vb.) *$d^yab$- 'to beat, to hit, to strike, to harm, to injure';
(n.) *$d^yab$-*a* 'stroke, blow, harm, injury; slaughter, killing'

249. Proto-Nostratic root *$d^yak^{wh}$- (~ *$d^yək^{wh}$-):
(vb.) *$d^yak^{wh}$- 'to blaze, to be bright';
(n.) *$d^yak^{wh}$-*a* '(burning) embers, fire, flame'

250. Proto-Nostratic (n.) *$d^yan$-*w*-*a* 'a kind of tree or bush'

251. Proto-Nostratic root *$d^yar$- (~ *$d^yər$-):
(vb.) *$d^yar$- 'to hold firmly';
(n.) *$d^yar$-*a* 'firm grip; hand, arm'

252. Proto-Nostratic root *$d^yaw$- (~ *$d^yəw$-):
(vb.) *$d^yaw$- 'to run, to flow';
(n.) *$d^yaw$-*a* 'stream, current, flow'; (adj.) 'running, flowing'

253. Proto-Nostratic indefinite pronoun stem *$d^yi$- (~ *$d^ye$-) 'this one, that one'

254. Proto-Nostratic root *$d^yiʔ$- (~ *$d^yeʔ$-):
(vb.) *$d^yiʔ$- 'to reach, to arrive at, to come to; to surpass, to exceed';
(n.) *$d^yiʔ$-*a* 'arrival, attainment, ripening'

255. Proto-Nostratic root *$d^yip^h$- (~ *$d^yep^h$-):
(vb.) *$d^yip^h$- 'to stink, to give off a strong odor';
(n.) *$d^yip^h$-*a* 'pungent smell, stench'

# CHAPTER 9

## PROTO-NOSTRATIC *$t^{yh}$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| $t^{yh}$- | $t^{y}$- | c- | čk- | $t^{h}$- | $t^{y}$- | $č^{h}$- | c- |
| -$t^{yh}$- | -$t^{y}$- | -c(c)-/ -y- | -čk- | -$t^{h}$- | -$t^{y}$- | -$č^{h}$- | -c(c)- |

256. Proto-Nostratic deictic stem *$t^{yh}a$- 'that over there, that yonder (not very far)'

257. Proto-Nostratic root *$t^{yh}al$- (~ *$t^{yh}əl$-):
(vb.) *$t^{yh}al$- 'to strike with a sharp instrument';
(n.) *$t^{yh}al$-*a* 'strike, blow; sharp instrument'
Derivative:
(n.) *$t^{yh}al$-*m*-*a* 'breach, opening, gap; crack, fissure, rift; hole'

258. Proto-Nostratic root *$t^{yh}al$- (~ *$t^{yh}əl$-):
Extended form:
(n.) *$t^{yh}al$-*m*-*a* 'breach, opening, gap; crack, fissure, rift; hole'
Derivative of:
(vb.) *$t^{yh}al$- 'to strike with a sharp instrument';
(n.) *$t^{yh}al$-*a* 'strike, blow; sharp instrument'

259. Proto-Nostratic root *$t^{yh}ar$- (~ *$t^{yh}ər$-):
(vb.) *$t^{yh}ar$- 'to advance to or toward an end or a goal; to attain or achieve an end or a goal, to reach, to come to, to arrive at';
(n.) *$t^{yh}ar$-*a* 'advance, arrival, goal, attainment, end, aim; approach'

260. Proto-Nostratic (n.) *$t^{yh}in$-*a* 'the other or opposite side'; (adj.) 'different, other'

261. Proto-Nostratic root *$t^{yh}iq'^{w}$- (~ *$t^{yh}eq'^{w}$-):
(vb.) *$t^{yh}iq'^{w}$- 'to swell';
(n.) *$t^{yh}iq'^{w}$-*a* 'swelling, growth'

262. Proto-Nostratic (n.) *$t^{yh}om$-*a* 'wild bovine'

263. Proto-Nostratic root *$t^{yh}um$- (~ *$t^{yh}om$-):
(vb.) *$t^{yh}um$- 'to strike, to beat, to pound, to knock; to tire out, to weary; to be or become weak or weary, to fade, to waste away';
(n.) *$t^{yh}um$-*a* 'fatigue, weariness, dullness, stupor'

# CHAPTER 10

## PROTO-NOSTRATIC *t’ʸ

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| t’ʸ- | t’ʸ- | c- | č’k’- | t’- | tʸ- | č- | c- |
| -t’ʸ- | -t’ʸ- | -c(c)-/ -y- | -č’k’- | -t’- | -tʸtʸ- | -č- | -c- |

264. Proto-Nostratic root *t’ʸad- (~ *t’ʸəd-):
(vb.) *t’ʸad- ‘to strike, to beat, to pound, to hammer’;
(n.) *t’ʸad-a ‘hammer’

265. Proto-Nostratic root *t’ʸakʰ- (~ *t’ʸəkʰ-):
(vb.) *t’ʸakʰ- ‘to cut into small pieces, to chop, to chip’;
(n.) *t’ʸakʰ-a ‘chip, small piece’

266. Proto-Nostratic root *t’ʸal- (~ *t’ʸəl-) and/or *t’ʸil- (~ *t’ʸel-):
(vb.) *t’ʸal- and/or *t’ʸil- ‘to overshadow, to cover over, to make dark’;
(n.) *t’ʸal-a and/or *t’ʸil-a ‘shade, shadow; covering; darkness’

267. Proto-Nostratic root *t’ʸam- (~ *t’ʸəm-):
(vb.) *t’ʸam- ‘to be sour, bitter’;
(n.) *t’ʸam-a ‘that which is sour, bitter, rotten, or spoiled’

268. Proto-Nostratic root *t’ʸar- (~ *t’ʸər-):
(vb.) *t’ʸar- ‘to be or become stuck, joined, or bound together; to be firmly or strongly attached’;
(n.) *t’ʸar-a ‘firmness, solidity, strength’; (adj.) ‘firm, solid, strong, steadfast’
Derivative:
(vb.) *t’ʸar- ‘to be rough, coarse, rigid, stiff, hard’;
(n.) *t’ʸar-a ‘that which is rough, coarse, rigid, stiff, hard’; (adj.) ‘rough, coarse, rigid, stiff, hard’

269. Proto-Nostratic root *t’ʸar- (~ *t’ʸər-):
(vb.) *t’ʸar- ‘to be rough, coarse, rigid, stiff, hard’;
(n.) *t’ʸar-a ‘that which is rough, coarse, rigid, stiff, hard’; (adj.) ‘rough, coarse, rigid, stiff, hard’
Derivative of:
(vb.) *t’ʸar- ‘to be or become stuck, joined, or bound together; to be firmly or strongly attached’;
(n.) *t’ʸar-a ‘firmness, solidity, strength’; (adj.) ‘firm, solid, strong, steadfast’

270. Proto-Nostratic (n.) *$t'^{y}ar$-$a$ ‘poplar tree, wood of the poplar’:
Perhaps derived from:
(vb.) *$t'^{y}ar$- ‘to be or become stuck, joined, or bound together; to be firmly or strongly attached’;
(n.) *$t'^{y}ar$-$a$ ‘firmness, solidity, strength’; (adj.) ‘firm, solid, strong, steadfast’

271. Proto-Nostratic root *$t'^{y}ar$- (~ *$t'^{y}ər$-):
(vb.) *$t'^{y}ar$- ‘to cut, to split’;
(n.) *$t'^{y}ar$-$a$ ‘cut, split, rip, tear; damage’; (adj.) ‘cut, split, ripped, torn’

272. Proto-Nostratic root *$t'^{y}ar$- (~ *$t'^{y}ər$-) (onomatopoeic):
(vb.) *$t'^{y}ar$- ‘to make a noise’;
(n.) *$t'^{y}ar$-$a$ ‘(rustling or rumbling) noise’

273. Proto-Nostratic (n.) *$t'^{y}aw$-$a$ ‘bad thing, evil, wickedness’; (adj.) ‘bad, evil’

274. Proto-Nostratic root *$t'^{y}iŋ$- (~ *$t'^{y}eŋ$-):
(vb.) *$t'^{y}iŋ$- ‘to think, to consider’;
(n.) *$t'^{y}iŋ$-$a$ ‘thought, consideration, idea’

275. Proto-Nostratic root *$t'^{y}ip^{h}$- (~ *$t'^{y}ep^{h}$-):
(vb.) *$t'^{y}ip^{h}$- ‘to pinch, to nip’;
(n.) *$t'^{y}ip^{h}$-$a$ ‘fingernail, claw’

276. Proto-Nostratic root *$t'^{y}or$-:
(vb.) *$t'^{y}or$- ‘to run, to flow’;
(n.) *$t'^{y}or$-$a$ ‘running, flowing’; (adj.) ‘speedy, swift’

# CHAPTER 11

## PROTO-NOSTRATIC *$s^y$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| $s^y$- | $s^y$- | c- | šk- | s- | $s^y$- | s- | $s^y$- |
| -$s^y$- | -$s^y$- | -c(c)-/ -y- | -šk- | -s- | -$s^y$- | -s- | -$s^y$- |

277. Proto-Nostratic root *$s^y$*am*- (~ *$s^y$*əm*-):
(vb.) *$s^y$*am*- 'to be hot, sunny';
(n.) *$s^y$*am-a* 'summer'

278. Proto-Nostratic root *$s^y$*aw*- (~ *$s^y$*əw*-):
(vb.) *$s^y$*aw*- 'to be dry, arid, withered';
(n.) *$s^y$*aw-a* 'dryness, dry place'; (adj.) 'dry, arid, withered'

279. Proto-Nostratic root *$s^y$*aw*- (~ *$s^y$*əw*-) or *$s^y$*ew*-:
(vb.) *$s^y$*aw*- 'to give birth, to bring forth, to be born';
(n.) *$s^y$*aw-a* 'son, child'

280. Proto-Nostratic (n.) *$s^y$*aw-a* 'wild boar'

281. Proto-Nostratic root *$s^y$*ax*$^w$- (~ *$s^y$*əx*$^w$-):
(vb.) *$s^y$*ax*$^w$- 'to be or become hot, warm; to heat up, to make hot, to warm, to burn';
(n.) *$s^y$*ax*$^w$*-a* 'warmth, heat; sun'

282. Proto-Nostratic root *$s^y$*en*$^y$-:
(vb.) *$s^y$*en*$^y$- 'to change, to deteriorate, to grow old';
(n.) *$s^y$*en*$^y$*-a* 'old age; old person'; (adj.) 'aged, old'

283. Proto-Nostratic (Eurasiatic only) (n.) *$s^y$*il-a* 'fat, lard'

284. Proto-Nostratic root *$s^y$*il*$^y$- (~ *$s^y$*el*$^y$-):
(vb.) *$s^y$*il*$^y$- 'to take (away), to seize, to snatch';
(n.) *$s^y$*il*$^y$*-a* 'removal, robbery, plunder'

285. Proto-Nostratic root *$s^y$*ir*- (~ *$s^y$*er*-):
(vb.) *$s^y$*ir*- 'to twist, turn, tie, or bind together';
(n.) *$s^y$*ir-a* 'band, cord, any cord-like object: sinew, tendon, nerve, vein'
Perhaps related to:
(n.) *$s^y$*ir-a* 'root (of tree or plant)'

286. Proto-Nostratic (n.) *$s^y$*ir-a* ‘root (of tree or plant)’
Perhaps related to:
(vb.) *$s^y$*ir-* ‘to twist, turn, tie, or bind together’;
(n.) *$s^y$*ir-a* ‘band, cord, any cord-like object: sinew, tendon, nerve, vein’

287. Proto-Nostratic root *$s^y$*ol-*:
(vb.) *$s^y$*ol-* ‘to be safe, well, sound’;
(n.) *$s^y$*ol-a* ‘safety; health, welfare’; (adj.) ‘safe, well, sound’

288. Proto-Nostratic root *$s^y$*or-*:
(vb.) *$s^y$*or-* ‘to surge, gush, flow, spring, or spread forth’;
(n.) *$s^y$*or-a* ‘surge, gush, flow’

289. Proto-Nostratic (n.) *$s^y$*ub-a* ‘end, edge; top, front part’

290. Proto-Nostratic root *$s^y$*ur-* (~ *$s^y$*or-*):
(vb.) *$s^y$*ur-* ‘to frighten; to be or become frightened, to fear’;
(n.) *$s^y$*ur-a* ‘fear’

291. Proto-Nostratic root *$s^y$*uw-* (~ *$s^y$*ow-*):
(vb.) *$s^y$*uw-* ‘to be proper, fitting, suitable, appropriate, good, well, fine, beautiful’;
(n.) *$s^y$*uw-a* ‘propriety, suitability, appropriateness’; (adj.) ‘proper, fitting, suitable, appropriate’

Semantics as in Geez / Ethiopic *šannaya* [ሠነየ] ‘to be beautiful, to be good, to seem good, to be well, to be fine, to be excellent, to be fitting, to be appropriate’ and its derivatives.

# CHAPTER 12

## PROTO-NOSTRATIC *ʒ

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| ʒ- | ʒ- | c- | ʒ- | $d^h$- | č- | ǯ- | c- |
| -ʒ- | -ʒ- | -c(c)- | -ʒ- | -$d^h$- | -č- | -ǯ-/ -d- | -c- |

292. Proto-Nostratic root *ʒag- (~ *ʒəg-):
(vb.) *ʒag- 'to push, to shove, to drive';
(n.) *ʒag-a 'push, shove, force'
Related to:
(vb.) *ʒag- 'to stuff, press, or squeeze tight';
(n.) *ʒag-a 'plug'; (adj.) 'pressing, squeezing, cramming'

293. Proto-Nostratic root *ʒag- (~ *ʒəg-):
(vb.) *ʒag- 'to stuff, press, or squeeze tight';
(n.) *ʒag-a 'plug'; (adj.) 'pressing, squeezing, cramming'
Related to:
(vb.) *ʒag- 'to push, to shove, to drive';
(n.) *ʒag-a 'push, shove, force'

294. Proto-Nostratic root *ʒag- (~ *ʒəg-):
(vb.) *ʒag- 'to whet, to sharpen';
(n.) *ʒag-a 'edge, side'

295. Proto-Nostratic root *ʒak'- (~ *ʒək'-):
(vb.) *ʒak'- 'to make fun of, to deride, to mock; to make sport, to play about, to joke';
(n.) *ʒak'-a 'mockery, ridicule, sport'

296. Proto-Nostratic root *ʒar- (~ *ʒər-) or *ǯar- (~ *ǯər-):
(vb.) *ʒar- or *ǯar- 'to run, flow, leak, or spill out; to spring forth, to issue (from); to flow or gush forth';
(n.) *ʒar-a or *ǯar-a 'drizzle, rain, downpour; current, stream, torrent'

297. Proto-Nostratic root *ʒer- or *ǯer-:
(vb.) *ʒer- or *ǯer- 'to pierce, to jab, to stab, to thrust or shove into';
(n.) *ʒer-a or *ǯer-a 'spear, javelin, weapon'

298. Proto-Nostratic root *ʒil- (~ *ʒel-) or *ǯil- (~ *ǯel-):
(vb.) *ʒil- or *ǯil- 'to flow, to flow forth';
(n.) *ʒil-a or *ǯil-a 'drip, drop, raindrop'; (adj.) 'flowing, trickling, dropping, sprinkling'
Probably identical to:
(vb.) *ʒil- or *ǯil- 'to glide, to slide';
(n.) *ʒil-a or *ǯil-a 'the act of slipping, sliding, gliding'; (adj.) 'smooth, slippery'

299. Proto-Nostratic root *ʒil- (~ *ʒel-) or *ǯil- (~ *ǯel-):
(vb.) *ʒil- or *ǯil- 'to glide, to slide';
(n.) *ʒil-a or *ǯil-a 'the act of slipping, sliding, gliding'; (adj.) 'smooth, slippery'
Probably identical to:
(vb.) *ʒil- or *ǯil- 'to flow, to flow forth';
(n.) *ʒil-a or *ǯil-a 'drip, drop, raindrop'; (adj.) 'flowing, trickling, dropping, sprinkling'

300. Proto-Nostratic root *ʒim- (~ *ʒem-) or *ǯim- (~ *ǯem-):
(vb.) *ʒim- or *ǯim- 'to blow, to play (a wind instrument)';
(n.) *ʒim-a or *ǯim-a 'blowing, playing (a wind instrument)'

301. Proto-Nostratic root *ʒum- (~ *ʒom-) or *ǯum- (~ *ǯom-):
(vb.) *ʒum- or *ǯum- 'to take, to seize';
(n.) *ʒum-a or *ǯum-a 'the act of taking or seizing'; (adj.) 'taking, seizing'

302. Proto-Nostratic (repuplicated) (n.) *ʒuʒ-a (< *ʒu-ʒu-) 'tip, point' (> 'nipple, breast')

# CHAPTER 13

## PROTO-NOSTRATIC *c$^h$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| c$^h$- | c- | c- | c- | t$^h$- | č- | č$^h$- | c- |
| -c$^h$- | -c- | -c(c)- | -c- | -t$^h$- | -č- | -č$^h$- | -c(c)- |

303. Proto-Nostratic root *$c^h$*ag*- (~ *$c^h$*əg*-):
(vb.) *$c^h$*ag*- ‘to prick, to pierce’;
(n.) *$c^h$*ag-a* ‘prick, sting, rupture’

304. Proto-Nostratic root *$c^h$*aħ*- (~ *$c^h$*əħ*-):
(vb.) *$c^h$*aħ*- ‘to crush, to pound, to grind, to beat, to bruise, to destroy’;
(n.) *$c^h$*aħ-a* ‘the act of crushing, beating, thrashing, pounding, grinding’; (adj.) ‘crushing, beating, thrashing, pounding, grinding’

305. Proto-Nostratic root *$c^h$*al*- (~ *$c^h$*əl*-):
(vb.) *$c^h$*al*- ‘to cut, to split, to cleave, to break off or apart’;
(n.) *$c^h$*al-a* ‘cut, crack, split; stroke, blow’
Derivative:
(n.) *$c^h$*al-a* ‘part, piece, chip, fragment’

306. Proto-Nostratic (n.) *$c^h$*al-a* ‘part, piece, chip, fragment’:
Derivative of:
(vb.) *$c^h$*al*- ‘to cut, to split, to cleave, to break off or apart’;
(n.) *$c^h$*al-a* ‘cut, crack, split; stroke, blow’

307. Proto-Nostratic root *$c^h$*uk$^h$*- (~ *$c^h$*ok$^h$*-):
(vb.) *$c^h$*uk$^h$*- ‘to close, to shut, to cover’;
(n.) *$c^h$*uk$^h$-a* ‘closure, cover, stoppage’

# CHAPTER 14

## PROTO-NOSTRATIC *c’

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| c’- | c’- | c- | c’- | t’- | č- | č- | c- |
| -c’- | -c’- | -c(c)- | -c’- | -t’- | -č- | -č- | -c- |

308. Proto-Nostratic root **c’al-* (~ **c’əl-*) or **č’al-* (~ **č’əl-*):
(vb.) **c’al-* or **č’al-* ‘to stretch out, to extend, to exceed; to be wealthy, to prosper, to do well’;
(n.) **c’al-a* or **č’al-a* ‘wealth, prosperity, abundance’

309. Proto-Nostratic root **c’ar-* (~ **c’ər-*) stem indicating downward motion:
(vb.) **c’ar-* ‘to slip or slide down, to fall down, to roll down, to lean or bend down, to throw down’;
(n.) **c’ar-a* ‘the act of slipping, sliding, falling, or rolling down’;
(particle) **c’ar-* ‘down’

310. Proto-Nostratic root **c’ar-* (~ **c’ər-*) or **č’ar-* (~ **č’ər-*):
(vb.) **c’ar-* or **č’ar-* ‘to be or become visible, clear, evident; to reveal, to make known, to make clear, to clarify’;
(n.) **c’ar-a* or **č’ar-a* ‘visibility, clarity’; (adj.) ‘visible, clear, evident’

311. Proto-Nostratic root **c’aw-* (~ **c’əw-*):
(vb.) **c’aw-* ‘to be or become dry, withered, emaciated, lean’;
(n.) **c’aw-a* ‘that which is withered, dry, lean, blighted’; (adj.) ‘dry, withered, lean, blighted’
Extended form:
(vb.) **c’aw-V-l$^{y}$-* ‘to be or become dry, withered, emaciated, lean’;
(adj.) **c’aw-l$^{y}$-a* ‘that which is withered, dry, lean, blighted’; (adj.) ‘dry, withered, lean, blighted’

312. Proto-Nostratic root **c’il$^{y}$-* (~ **c’el$^{y}$-*):
(vb.) **c’il$^{y}$-* ‘to strip off, to peel off, to pick, to pluck’;
(n.) **c’il$^{y}$-a* ‘peeling, picking, plucking’

313. Proto-Nostratic root **c’ir$^{y}$-* (~ **c’er$^{y}$-*):
(vb.) **c’ir$^{y}$-* ‘to squeak, to chirp, to cheep, to peep’;
(n.) **c’ir$^{y}$-a* ‘a kind of bird’

314. Proto-Nostratic root **c'ur-* (~ **c'or-*):
(vb.) **c'ur-* 'to twist, to turn, to revolve; to press, tie, or bind together; to wrap up; to surround, to encircle, to enclose';
(n.) **c'ur-a* 'that which is tied, twisted, wrapped, or bound together: coil, wrapping, binding, loop, etc.; that which surrounds, encircles, or encloses: enclosure, wall, surroundings, circle'

# CHAPTER 15

## PROTO-NOSTRATIC *s

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| s- | s- | c- | s- | s- | s- | s- | |
| -s- | -s- | -c(c)- | -s- | -s- | -s- | -s- | |

315. Proto-Nostratic root *sa*ʔ*- (~ *sə*ʔ*-):
Extended form:
(vb.) **sa*ʔ*-V-y-* ‘to sift’;
(n.) **sa*ʔ*-y-a* ‘sieve’

316. Proto-Nostratic root **sad*ʸ*-* (~ **sə*d*ʸ-*):
(vb.) **sad*ʸ*-* ‘to hear, to listen, to judge’;
(n.) **sad*ʸ*-a* ‘hearing, judgment, condemnation, punishment’

317. Proto-Nostratic root **sag-* (~ **sə*g-*) or **šag-* (~ **šə*g-*):
(vb.) **sag-* or **šag-* ‘to reach, to arrive at, to attain, to achieve, to get, to obtain’;
(n.) **sag-a* or **šag-a* ‘acquisition, attainment, victory’

318. Proto-Nostratic root **saħ-* (~ **sə*ħ-*) or **šaħ-* (~ **šə*ħ-*):
(vb.) **saħ-* or **šaħ-* ‘to examine, to consider, to try to find out, to try to understand, to think about’;
(n.) **saħ-a* or **šaħ-a* ‘thought, idea, understanding, inquiry, examination, consideration, investigation’

319. Proto-Nostratic root **sak*ʰ*-* (~ **sə*k*ʰ-*):
(vb.) **sak*ʰ*-* ‘to cut, to split’;
(n.) **sak*ʰ*-a* ‘any sharp instrument used for cutting: knife, sword, dagger, axe, etc.’

320. Proto-Nostratic root **sak’*ʷ*-* (~ **sə*k*’*ʷ*-*):
(vb.) **sak’*ʷ*-* ‘to tie, to bind, to fasten’;
(n.) **sak’*ʷ*-a* ‘fastening, loop’

321. Proto-Nostratic root **sal-* (~ **sə*l*-*):
(vb.) **sal-* ‘to go up, to lift up, to raise up’;
(n.) **sal-a* ‘ascent; height’; (adj.) ‘elevated, high, raised’

322. Proto-Nostratic root **sam-* (~ **səm-*):
(vb.) **sam-* 'to resemble, to be like';
(n.) **sam-a* 'form, shape, appearance, likeness'; (adj.) 'similar, alike, same'

323. Proto-Nostratic root **san-* (~ **sən-*) or **šan-* (~ **šən-*), **sin-* (~ **sen-*) or **šin-* (~ **šen-*), **sun-* (~ **son-*) or **šun-* (~ **šon-*):
(vb.) **san-* or **šan-*, **sin-* or **šin-*, **sun-* or **šun-* 'to sense, to perceive';
(n.) **san-a* or **šan-a*, **sin-a* or **šin-a*, **sun-a* or **šun-a* '(a) that which senses or perceives: mind, nose; (b) that which is sensed or perceived: perception, sense, feeling'

324. Proto-Nostratic (Eurasiatic only) (n.) **s[e]n-a* or **š[e]n-a* (the root vowel is uncertain but is probably **e*) 'sinew, tendon'

325. Proto-Nostratic second person pronoun stem **si-* (~ **se-*) 'you'

326. Proto-Nostratic 3rd person pronoun stem **si-* (~ **se-*) 'he, she, it; him, her; they, them'; 3rd person possessive suffix **-si* (~ **-se*) 'his, her, its; their'

327. Proto-Nostratic root **sig-* (~ **seg-*):
(vb.) **sig-* 'to flow forth, to rain';
(n.) **sig-a* 'flowing, raining, storm'

328. Proto-Nostratic root **siħ-* (~ **seħ-*):
(vb.) **siħ-* 'to scatter, to strew, to cast or throw, to sprinkle (with water)';
(n.) **siħ-a* 'the act of scattering, strewing, casting, or throwing about'; (adj.) 'scattered, strewn, cast, or thrown about'

# CHAPTER 16

## PROTO-NOSTRATIC *ǯ

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Karvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| ǯ- | ʒ- | c- | ǯ- | $d^h$- | č- | ǯ- | c- |
| -ǯ- | -ʒ- | -c(c)- | -ǯ- | -$d^h$- | -č- | -ǯ-/ -d- | -c- |

329. Proto-Nostratic root **ǯaʔ-* (~ **ǯəʔ-*):
(vb.) **ǯaʔ-* 'to die, to fade, to wither';
(n.) **ǯaʔ-a* 'death'

330. Proto-Nostratic (n.) **ǯag$^w$-a* 'a small tree, a bush or shrub'

331. Proto-Nostratic root **ǯaħ-* (~ **ǯəħ-*):
(vb.) **ǯaħ-* 'to call (out), to cry (out)';
(n.) **ǯaħ-a* 'call, cry; name'

332. Proto-Nostratic root **ǯal-* (~ **ǯəl-*):
(vb.) **ǯal-* 'to fasten, to tie';
(n.) **ǯal-a* 'string, strap, cord'

333. Proto-Nostratic root **ǯaw-* (~ **ǯəw-*):
(vb.) **ǯaw-* 'to wear out, to be used up, to cease to function';
(n.) **ǯaw-a* 'cessation, end, extinction'; (adj.) 'worn out, used up, wasted, decrepit, old'

334. Proto-Nostratic (n.) **ǯem-a* 'anything that is sour, bitter, pungent, sharp'; (adj.) 'sour, bitter, pungent, sharp'

# CHAPTER 17

## PROTO-NOSTRATIC *čʰ

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| čʰ- | c- | c- | č- | tʰ- | č- | čʰ- | c- |
| -čʰ- | -c- | -c(c)- | -č- | -tʰ- | -č- | -čʰ- | -c(c)- |

335. Proto-Nostratic root *$\check{c}^h$*al-* (~ *$\check{c}^h$*əl-*):
(vb.) *$\check{c}^h$*al-* 'to leave, to leave behind, to abandon, to get rid of, to empty; to set free, to release, to let go';
(n.) *$\check{c}^h$*al-a* 'freedom, leisure, emptiness'; (adj.) 'empty, abandoned, released, freed (from), at leisure'

Semantics as in Sanskrit *ric-* and its derivatives: *ric-* 'to empty, to evacuate, to leave, to give up, to resign; to release, to set free; to leave behind; to separate, to remove from', *ricyáte* 'to be emptied, to be deprived of or freed from', *riktá-ḥ* 'emptied, empty, void'.

336. Proto-Nostratic root *$\check{c}^h$*an-* (~ *$\check{c}^h$*ən-*):
(vb.) *$\check{c}^h$*an-* 'to bring forth, to produce, to grow, to be born';
(n.) *$\check{c}^h$*an-a* 'that which is brought forth, produced, grown: fruit; bringing forth: birth'

337. Proto-Nostratic root *$\check{c}^h$*eč$^h$-*:
(vb.) *$\check{c}^h$*eč$^h$-* 'to press, to squeeze, to crush';
(n.) *$\check{c}^h$*eč$^h$-a* 'the act of pressing, squeezing, crushing; that which is pressed, squeezed, crushed: crumb(s)'

338. Proto-Nostratic root *$\check{c}^h$*ok$^h$-*:
(vb.) *$\check{c}^h$*ok$^h$-* 'to bend, to twist, to turn, to wind';
(n.) *$\check{c}^h$*ok$^h$-a* 'the act of bending, twisting, turning, winding'

# CHAPTER 18

## PROTO-NOSTRATIC *č’

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| č’- | c’- | c- | č’- | t’- | č- | č- | c- |
| -č’- | -c’- | -c(c)- | -č’- | -t’- | -č- | -č- | -c- |

339. Proto-Nostratic (n.) **č’am-a* ‘reed, grass’

340. Proto-Nostratic root **č’ik’*- (~ **č’ek’*-):
(vb.) **č’ik’*- ‘to be small’;
(n.) **č’ik’-a* ‘small things’; (adj.) ‘small’

341. Proto-Nostratic root **č’ir*- (~ **č’er*-):
(vb.) **č’ir*- ‘to cut, to cut off, to cut through; to cut into, to scratch, to scrape’;
(n.) **č’ir-a* ‘that which is cut, cut off, cut into: slice, board, plank, scratch; that which cuts: knife, axe, adze’

# CHAPTER 19

## PROTO-NOSTRATIC *š

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| š- | s- | c- | š- | s- | s- | s- | |
| -š- | -s- | -c(c)- | -š- | -s- | -s- | -s- | |

342. Proto-Nostratic demonstrative pronoun stem **ša-* (~ **šə-*) ‘this, that’

343. Proto-Nostratic root **šar-* (~ **šər-*):
(vb.) **šar-* ‘to split, to rip apart, to tear asunder’;
(n.) **šar-a* ‘that which splits: knife’

344. Proto-Nostratic root **šaw-* (~ **šəw-*):
(vb.) **šaw-* ‘to drink, to swallow’;
(n.) **šaw-a* ‘drink, juice’

345. Proto-Nostratic root **šaw-* (~ **šəw-*):
(vb.) **šaw-* ‘to sigh, to pant, to gasp, to breathe deeply’;
(n.) **šaw-a* ‘breath, sigh’
Related to:
(vb.) **šaw-* ‘to sleep, to rest’;
(n.) **šaw-a* ‘sleep, slumber, rest’

346. Proto-Nostratic root **šaw-* (~ **šəw-*):
(vb.) **šaw-* ‘to sleep, to rest’;
(n.) **šaw-a* ‘sleep, slumber, rest’
Related to:
(vb.) **šaw-* ‘to sigh, to pant, to gasp, to breathe deeply’;
(n.) **šaw-a* ‘breath, sigh’

347. Proto-Nostratic root **šiħ-* (~ **šeħ-*):
(vb.) **šiħ-* ‘to separate into (equal) parts, to divide’;
(n.) **šiħ-a* ‘part, portion, separation, division, section’

348. Proto-Nostratic root **šiw-* (~ **šew-*):
(vb.) **šiw-* ‘to swell’;
(n.) **šiw-a* ‘swelling’; (adj.) ‘swollen, puffed up’

349. Proto-Nostratic root **šuw-* (~ **šow-*):
(vb.) **šuw-* ‘to be wet, moist; to make wet, to soak’;
(n.) **šuw-a* ‘liquid, moisture’; (adj.) ‘moist, wet, soaked’

Extended form:
(vb.) **šuw-V-l-* ‘to be wet, moist; to make wet, to soak’;
(n.) **šuw-l-a* ‘liquid, moisture’; (adj.) ‘moist, wet, soaked’

# CHAPTER 20

## PROTO-NOSTRATIC *g

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| g- | g- | k- | g- | $g^h$- | k- | g- | k- q- |
| -g- | -g- | -k- | -g- | -$g^h$- | -x- | -g- | -ɣ- |

350. Proto-Nostratic root *gaʔ- (~ *gəʔ-):
(vb.) *gaʔ- 'to go, to leave, to depart; to leave behind, to abandon, to forsake';
(n.) *gaʔ-a 'abandonment, lack, want, need, deprivation, loss, deficit'; (adj.) 'abandoned, forsaken, left behind; wanting, lacking, deprived of'

351. Proto-Nostratic (n.) *gab-a 'front, front part'
Probably identical to:
(n.) *gab-a 'peak, tip, top'

352. Proto-Nostratic (n.) *gab-a 'peak, tip, top'
Probably identical to:
(n.) *gab-a 'front, front part'
Note also:
(n.) *gub-a 'highest point, summit, top'

353. Proto-Nostratic root *gab- (~ *gəb-):
(vb.) *gab- 'to grasp, to seize';
(n.) *gab-a 'hand, arm'

354. Proto-Nostratic root *gad- (~ *gəd-):
(vb.) *gad- 'to be or become big, great, mighty';
(n.) *gad-a 'bigness, greatness, might'; (adj.) 'big, great, mighty'

355. Proto-Nostratic root *gad- (~ *gəd-):
(vb.) *gad- 'to cut, to split, to strike (with an instrument)';
(n.) *gad-a 'that which cuts: (pick)axe, saw; that which is cut, split: cut, split, piece, fragment, bit'

356. Proto-Nostratic (n.) *gad-a 'kid, young goat'

357. Proto-Nostratic root *gal- (~ *gəl-):
(vb.) *gal- 'to cut, break, tear, or pluck off; to separate';
(n.) *gal-a 'cut, break, tear, separation'

Derivative:
(vb.) **gal-* ‘to dig, scoop, or hollow out’ (> ‘to plow’);
(n.) **gal-a* ‘the act of digging, scooping, or hollowing out’

358. Proto-Nostratic root **gal-* (~ **gəl-*):
(vb.) **gal-* ‘to dig, scoop, or hollow out’ (> ‘to plow’);
(n.) **gal-a* ‘the act of digging, scooping, or hollowing out’
Derivative of:
(vb.) **gal-* ‘to cut, break, tear, or pluck off; to separate’;
(n.) **gal-a* ‘cut, break, tear, separation’

359. Proto-Nostratic (n.) **gal-a* ‘pot, vessel’

360. Proto-Nostratic root **gal-* (~ **gəl-*):
(vb.) **gal-* ‘to be or become visible, clear, obvious, evident; to regard, to look at, to peer at’;
(n.) **gal-a* ‘visibility, clarity, understanding’; (adj.) ‘clear, plain, evident’

361. Proto-Nostatic **gal-* (~ **gəl-*):
(vb.) **gal-* ‘to cry out, to shout, to clamor; to be noisy, boisterous’;
(n.) **gal-a* ‘clamor, uproar, tumult, disturbance, turmoil, noise’

362. Proto-Nostratic root **gal-* (~ **gəl-*):
(vb.) **gal-* ‘to ache, to be in pain, to be ill, to suffer’;
(n.) **gal-a* ‘ache, pain, disease, illness’

363. Proto-Nostatic (n.) **gal-a* ‘blemish, fault, scar, sore on the skin’

364. Proto-Nostratic root **gal-* (~ **gəl-*):
(vb.) **gal-* ‘to be strong, powerful; to be able’;
(n.) **gal-a* ‘strength, power, ability’

365. Proto-Nostratic root **gam-* (~ **gəm-*):
(vb.) *gam-* ‘to bend, to be bent’;
(n.) *gam-a* ‘a bent or curved object: hook; wrist, ankle; etc.’

366. Proto-Nostratic root **gam-* (~ **gəm-*):
(vb.) **gam-* ‘to fill (up)’;
(n.) **gam-a* ‘plenty, surplus, abundance’

367. Proto-Nostratic (n.) **gaŋ-a* (with different extensions in the various daughter languages: **gaŋ-s$^{y}$-* and/or **gaŋ-s-*, **gaŋ-t$^{y}$-*, etc. and sporadic loss of *ŋ*) ‘a waterfowl, an aquatic bird: goose, duck, etc.’

368. Proto-Nostratic root *gaŋ- (~ *gəŋ-):
(vb.) *gaŋ- 'to bend: to bend forward; to bend back; to bend to the side';
(n.) *gaŋ-a 'side, corner, flank, edge'

369. Proto-Nostratic root *gar- (~ *gər-):
(vb.) *gar- 'to seize, to grasp, to take hold of';
(n.) *gar-a 'hand'

370. Proto-Nostratic root *gar- (~ *gər-):
(vb.) *gar- 'to cut, to split';
(n.) *gar-a 'cut, injury; that which cuts: (pick)axe'; (adj.) 'cut, separated, shortened'

371. Proto-Nostratic root *gar- (~ *gər-):
(vb.) *gar- 'to scratch, to scrape';
(n.) *gar-a 'that which scratches, scrapes: spade, rake'
Derivative:
(n.) *gar-b-a 'itch, scab, sore'

372. Proto-Nostratic (n.) *gar-b-a 'itch, scab, sore':
Derivative of:
(vb.) *gar- 'to scratch, to scrape';
(n.) *gar-a 'that which scratches, scrapes: spade, rake'

373. Proto-Nostratic root *gar$^{y}$- (~ *gər$^{y}$-):
(vb.) *gar$^{y}$- 'to swell, to increase, to grow';
(n.) *gar$^{y}$-a 'swelling, increase, growth; great quantity, abundance, excess'
Identical to:
(vb.) *gar$^{y}$- 'to stick out, to stand out, to jut out, to project, to protrude; to be or become erect, rigid, stiff';
(n.) *gar$^{y}$- 'tip, point, peak'

374. Proto-Nostratic root *gar$^{y}$- (~ *gər$^{y}$-):
(vb.) *gar$^{y}$- 'to stick out, to stand out, to jut out, to project, to protrude; to be or become erect, rigid, stiff';
(n.) *gar$^{y}$- 'tip, point, peak'
Identical to:
(vb.) *gar$^{y}$- 'to swell, to increase, to grow';
(n.) *gar$^{y}$-a 'swelling, increase, growth; great quantity, abundance, excess'

375. Proto-Nostratic root *gas$^{y}$- (~ *gəs$^{y}$-):
(vb.) *gas$^{y}$- 'to touch, to feel, to handle';
(n.) *gas$^{y}$-a 'hand'

376. Proto-Nostratic root *gat'- (~ *gət'-):
(vb.) *gat'- 'to take (with the hand), to grasp';
(n.) *gat'-a 'hand'

377. Proto-Nostratic (n.) *gen-a 'jaw, cheek'

378. Proto-Nostratic (n.) *g[e]n-d-a 'virility, strength; a male (human or animal)'

379. Proto-Nostratic pronominal base of unclear deictic function *gi- (~ *ge-)

380. Proto-Nostratic root *gib- (~ *geb-):
(vb.) *gib- 'to bestow upon, to give';
(n.) *gib-a 'gift'

381. Proto-Nostratic root *gid- (~ *ged-) or *ɢid- (~ *ɢed-):
(vb.) *gid- or *ɢid- 'to force, drive, or press together; to join; to unite; to gather (together); to collect';
(n.) *gid-a or *ɢid-a 'force, compulsion; collection, heap; union'; (adj.) 'pressed close together, near, united'

382. Proto-Nostratic root *gil- (~ *gel-):
(vb.) *gil- 'to glide, to slip, to slide';
(n.) *gil-a 'gliding, sliding'; (adj.) 'smooth, slippery'

383. Proto-Nostratic root *gil- (~ *gel-):
(vb.) *gil- 'to freeze';
(n.) *gil-a 'ice'

384. Proto-Nostratic root *gin- (~ *gen-) or *ɢin- (~ *ɢen-):
(vb.) *gin- or *ɢin- 'to be young, small, weak';
(n.) *gin-a or *ɢin-a 'youth, young one'; (adj.) 'young, small, weak'

385. Proto-Nostratic root *gin- (~ *gen-):
(vb.) *gin- 'to grind, to pound, to break or crush into pieces';
(n.) *gin-a 'the act of grinding, pounding, crushing'

386. Proto-Nostratic root *gir- (~ *ger-):
(vb.) *gir- 'to gird, to enclose';
(n.) *gir-a 'enclosure, fence, wall'

387. Proto-Nostratic root *gir$^{y}$- (~ *ger$^{y}$-):
(vb.) *gir$^{y}$- 'to be or become old';
(n.) *gir$^{y}$-a 'old age, old person'; (adj.) 'old'

388. Proto-Nostratic root *$gir^y$- (~ *$ger^y$-) or *$Gir^y$- (~ *$Ger^y$-):
(vb.) *$gir^y$- or *$Gir^y$- 'to move, to move swiftly, to hasten, to hurry; to run, to flow; to go, to walk';
(n.) *$gir^y$-*a* or *$Gir^y$-*a* 'movement, flow, flux, step, course'

389. Proto-Nostratic (n.) **gol-a* 'edge, corner, valley'

390. Proto-Nostratic (n.) **gub-a* 'highest point, summit, top'
Note also:
(n.) **gab-a* 'peak, tip, top'

391. Proto-Nostratic root **gub-* (~ **gob-*:
(vb.) **gub-* 'to cook, to roast, to burn';
(n.) **gub-a* 'the act of cooking; that which is used for cooking: pot, pan; stove, furnace'

392. Proto-Nostratic root **gud-* (~ **god-*):
(vb.) **gud-* 'to throw, to toss, to shake';
(n.) **gud-a* 'that which is thrown or tossed off or aside: rubbish, refuse, cast-out things'

393. Proto-Nostratic (n.) **gul-a* (~ **gol-a*) 'enclosed space'

394. Proto-Nostratic root **gun-* (~ **gon-*):
(vb.) **gun-* 'to perceive, to notice';
(n.) **gun-a* 'notice, memory, mind, perception, remembrance, recollection'

395. Proto-Nostratic root (Eurasiatic only) *$gup^h$- (~ *$gop^h$-):
(vb.) *$gup^h$- 'to extinguish; to be extinguished, to die out, to perish';
(n.) *$gup^h$-*a* 'loss, destruction'

396. Proto-Nostratic root **gur-* (onomatopoeic):
(vb.) **gur-* 'to rumble, to roar, to growl, to gurgle';
(n.) **gur-a* 'rumbling, roaring, gurgling, growling noise or sound'

397. Proto-Nostratic (Eurasiatic only) (n.) **gur-a* 'gut, cord'

398. Proto-Nostratic root **gus-* (~ **gos-*):
(vb.) **gus-* 'to go outside of or forth from; to make to go outside or forth from, to drive away, to chase away';
(n.) **gus-a* 'outsider, stranger'

399. Proto-Nostratic root **guw-* (~ **gow-*):
(vb.) **guw-* 'to observe, to notice, to watch, to pay attention to, to heed, to be or become aware of';
(n.) **guw-a* 'observation, heed, awareness, attention, notice'

400. Proto-Nostratic root **guw-* (~ **gow-*):
(vb.) **guw-* 'to hunt wild animals';
(n.) **guw-a* 'wild animal, wild beast, game'; (adj.) 'wild, untamed'
Extended form:
(vb.) **guw-V-r-* 'to hunt wild animals';
(n.) **guw-r-a* 'wild animal, wild beast, game'; (adj.) 'wild, untamed'

Notes:
1. The unextended stem is preserved in Egyptian.
2. The Afrasian (Cushitic and Chadic) and Indo-European forms are deverbatives: **guw-V-r-*.

# CHAPTER 21

## PROTO-NOSTRATIC *k$^h$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| k$^h$- | k- | k- | k- | k$^h$- | k- | k$^h$- | k- q- |
| -k$^h$- | -k- | -k(k)- | -k- | -k$^h$- | -k(k)- | -k$^h$- | -k(k)-<br>-q(q)- |

401. Proto-Nostratic 1st person pronoun stem (stative) *$k^h$*a-*

402. Proto-Nostratic demonstrative pronoun stem:
Proximate: *$k^h$*a-* (~ *$k^h$*ə-*) 'this';
Intermediate: *$k^h$*i-* (~ *$k^h$*e-*) 'that';
Distant: *$k^h$*u-* (~ *$k^h$*o-*) 'that yonder'

403. Proto-Nostratic (n.) *$k^h$*ab-a* 'he-goat, male sheep, buck, ram'

404. Proto-Nostratic (n.) *$k^h$*ab-a* 'foot, hoof'

405. Proto-Nostratic root *$k^h$*ad-* (~ *$k^h$*əd-*):
(vb.) *$k^h$*ad-* 'to cover, to wrap, to clothe';
(n.) *$k^h$*ad-a* 'covering, shield, protection'
Perhaps identical to:
(vb.) *$k^h$*ad-* 'to tie, to bind';
(n.) *$k^h$*ad-a* 'tie, band, fastening'

406. Proto-Nostratic root *$k^h$*ad-* (~ *$k^h$*əd-*):
(vb.) *$k^h$*ad-* 'to tie, to bind';
(n.) *$k^h$*ad-a* 'tie, band, fastening'
Perhaps identical to:
(vb.) *$k^h$*ad-* 'to cover, to wrap, to clothe';
(n.) *$k^h$*ad-a* 'covering, shield, protection'

407. Proto-Nostratic (n.) *$k^h$*al-a* 'female in-law'
Note also:
(n.) **k'el-a* 'female in-law'

408. Proto-Nostratic root *$k^h$*al-* (~ *$k^h$*əl-*):
(vb.) *$k^h$*al-* 'to make a noise, to sound; to call out, to shout';
(n.) *$k^h$*al-a* 'noise, sound'

409. Proto-Nostratic root *$k^h$*al*- (~ *$k^h$*əl*-):
(vb.) *$k^h$*al*- ‘to guard, to hold (back), to watch’;
(n.) *$k^h$*al-a* ‘protection, care, support; restraint, detention, custody, hold’

410. Proto-Nostratic root *$k^h$*al*- (~ *$k^h$*əl*-):
(vb.) *$k^h$*al*- ‘to point out, to make clear, to make known, to disclose, to explain’;
(n.) *$k^h$*al-a* ‘study, learning; investigation, explanation, clarification’

411. Proto-Nostratic (n.) *$k^h al^y$*-a* ‘reed, stalk, stem, blade of grass, haulm’

412. Proto-Nostratic root *$k^h al^y$*- (~ *$k^h$*ə$l^y$*-):
(vb.) *$k^h al^y$*- ‘to rob, to steal, to hide’;
(n.) *$k^h al^y$*-a* ‘theft’

413. Proto-Nostratic root *$k^h$*am*- (~ *$k^h$*əm*-) or *$q^h$*am*- (~ *$q^h$*əm*-):
(vb.) *$k^h$*am*- or *$q^h$*am*- ‘to seize, to grasp, to grip, to clutch’;
(n.) *$k^h$*am-a* or *$q^h$*am-a* ‘grip, hold, hand(ful); bond, fetter’

414. Proto-Nostratic root *$k^h$*am*- (~ *$k^h$*əm*-):
(vb.) *$k^h$*am*- ‘to work, to labor, to toil; to do, to make’;
(n.) *$k^h$*am-a* ‘work, labor, toil’

415. Proto-Nostratic root *$k^h$*am*- (~ *$k^h$*əm*-):
(vb.) *$k^h$*am*- ‘to gather together, to collect’; (adv.) ‘together, along with’;
(n.) *$k^h$*am-a* ‘collection, assemblage, gathering’

416. Proto-Nostratic (n.) *$k^h an^y$*-a* ‘stem, stalk, stick’

417. Proto-Nostratic (n.) *$k^h an^y$*-a* ~ *$k^h in^y$*-a* ~ *$k^h un^y$*-a* ‘bee, honey’

418. Proto-Nostratic root *$k^h$*aŋ*- (~ *$k^h$*əŋ*-):
(vb.) *$k^h$*aŋ*- ‘to make a noise, to sound’;
(n.) *$k^h$*aŋ-a* ‘noise, (ringing or tinkling) sound’

419. Proto-Nostratic root *$k^h ap^h$*-:
(vb.) *$k^h ap^h$*- ‘to take, seize, or grasp with the hand; to press or squeeze with the hand’;
(n.) *$k^h ap^h$*-a* ‘hand’

420. Proto-Nostratic (n.) *$k^h ap^h$*-a* ‘bowl, cup, jar, container; skull’

421. Proto-Nostratic root *$k^h$*ap'*- (~ *$k^h$*əp'*-):
(vb.) *$k^h$*ap'*- 'to buy; to pay back';
(n.) *$k^h$*ap'-a* 'recompense, tribute, pay-back'

422. Proto-Nostratic root *$k^h$*ar*- (~ *$k^h$*ər*-):
(vb.) *$k^h$*ar*- 'to cut, to cut into, to cut off';
(n.) *$k^h$*ar-a* 'cut, incision'
Derivative:
(n.) *$k^h$*ar-a* 'skin, hide; bark, rind'

423. Proto-Nostratic (n.) *$k^h$*ar-a* 'skin, hide; bark, rind':
Derivative of:
(vb.) *$k^h$*ar*- 'to cut, to cut into, to cut off';
(n.) *$k^h$*ar-a* 'cut, incision'

424. Proto-Nostratic root *$k^h$*ar*- (~ *$k^h$*ər*-):
(vb.) *$k^h$*ar*- 'to twist, turn, spin, or wind around';
(n.) *$k^h$*ar-a* 'ring, circle, curve'; (adj.) 'round, curved, twisted'
Possible derivative:
(n.) *$k^h$*ar-a* 'edge, side, bank'

425. Proto-Nostratic (n.) *$k^h$*ar-a* 'edge, side, bank'
Perhaps a derivative of:
(vb.) *$k^h$*ar*- 'to twist, turn, spin, or wind around';
(n.) *$k^h$*ar-a* 'ring, circle, curve'; (adj.) 'round, curved, twisted'

426. Proto-Nostratic (n.) *$k^h$*ar-a* 'hardness, strength, firmness, fortitude'; (adj.) 'hard, strong, firm'
Identical to:
(n.) *$k^h$*ar-a* 'roughness, coarseness'; (adj.) 'rough, coarse'

427. Proto-Nostratic (n.) *$k^h$*ar-a* 'roughness, coarseness'; (adj.) 'rough, coarse'
Identical to:
(n.) *$k^h$*ar-a* 'hardness, strength, firmness, fortitude'; (adj.) 'hard, strong, firm'
Derivative:
(n.) *$k^h$*ar-a* 'bitterness, pungency, harshness'; (adj.) 'bitter, pungent, harsh, sharp, caustic, hot (of taste), acrid'

428. Proto-Nostratic (n.) *$k^h$*ar-a* 'bitterness, pungency, harshness'; (adj.) 'bitter, pungent, harsh, sharp, caustic, hot (of taste), acrid'
Derivative of:
(n.) *$k^h$*ar-a* 'roughness, coarseness'; (adj.) 'rough, coarse'

429. Proto-Nostratic (n.) *$k^h$*ar-a* 'blackness, darkness'; (adj.) 'black, dark'

430. Proto-Nostratic (n.) *$k^h$*ar-a* ‘heart, core, essence’

431. Proto-Nostratic root *$k^h$*as-* (~ *$k^h$*əs-*):
(vb.) *$k^h$*as-* ‘to cut or break off, to divide, to separate’;
(n.) *$k^h$*as-a* ‘cut, separation, division, break; cutting, clipping, fragment, piece, bit’

432. Proto-Nostratic root *$k^h$*at$^h$-* (~ *$k^h$*ət$^h$-*):
(vb.) *$k^h$*at$^h$-* ‘to plait, to weave, to twist’;
(n.) *$k^h$*at$^h$-a* ‘that which is plaited, woven, twisted: mat, net, knot’
Derivative:
(n.) *$k^h$*at$^h$-a* ‘rag, cloth’

433. Proto-Nostratic (n.) *$k^h$*at$^h$-a* ‘rag, cloth’:
Derivative of:
(vb.) *$k^h$*at$^h$-* ‘to plait, to weave, to twist’;
(n.) *$k^h$*at$^h$-a* ‘that which is plaited, woven, twisted: mat, net, knot’

434. Proto-Nostratic root *$k^h$*at$^h$-*:
(vb.) *$k^h$*at$^h$-* ‘to fall down, to set down, to drop down’;
(n.) *$k^h$*at$^h$-a* ‘lower part, lower place, lower thing’; (adj.) ‘lower, inferior’;
(particle) *$k^h$*at$^h$-* ‘down’

435. Proto-Nostratic root *$k^h$*at$^h$-*:
(vb.) *$k^h$*at$^h$-* ‘to make a harsh, shrill screech or sound: to cackle, to caw, to screech, to cry, to yelp’;
(n.) *$k^h$*at$^h$-a* ‘cackling, cawing, screeching, crying, yelping’; (adj.) ‘harsh, shrill, sharp, piercing (of sounds)’

436. Proto-Nostratic root *$k^h$*aw-* (~ *$k^h$*əw-*):
(vb.) *$k^h$*aw-* ‘to swell, to expand, to inflate, to grow, to increase’;
(n.) *$k^h$*aw-a* ‘accumulation, inflation, expansion, growth; heap, pile; height’

437. Proto-Nostratic (n.) *$k^h$*ay-a* ‘solitude, loneliness, separateness’; (adj.) ‘alone’
Extended form (Afrasian and Indo-European):
(n.) *$k^h$*ay-w-a* ‘solitude, loneliness, separateness’; (adj.) ‘alone’

438. Proto-Nostratic root *$k^h$*ay-* (~ *$k^h$*əy-*):
(vb.) *$k^h$*ay-* ‘to put, to place, to set, to lay; to be placed, to lie’;
(n.) *$k^h$*ay-a* ‘resting place, abode, dwelling; cot, bed’

439. Proto-Nostratic root *$k^h$*ay-* (~ *$k^h$*əy-*):
(vb.) *$k^h$*ay-* ‘to be or become warm or hot; to make warm, to heat’;
(n.) *$k^h$*ay-a* ‘heat’

440. Proto-Nostratic root *$k^h$*ay*-:
(vb.) *$k^h$*ay*- ‘to scoop out’;
(n.) *$k^h$*ay-a* ‘spoon, ladle’
Extended form:
(vb.) *$k^h$*ay-V-w*- ‘to dig’;
(n.) *$k^h$*ay-w-a* ‘cave, pit, hollow’

441. Proto-Nostratic root *$k^h$*il*- (~ *$k^h$*el*-):
(vb.) *$k^h$*il*- ‘to make a sound or a noise; to say, to speak, to talk’;
(n.) *$k^h$*il-a* ‘sound, noise; tongue, speech, language’

442. Proto-Nostratic root *$k^h$*il$^y$*- (~ *$k^h$*el$^y$*-):
(vb.) *$k^h$*il$^y$*- ‘to rise, to ascend, to lift up’;
(n.) *$k^h$*il$^y$-a* ‘hill, height’; (adj.) ‘raised, high’

443. Proto-Nostratic (n.) *$k^h$*ir-a* ‘uppermost part (of anything): horn, head, skull, crown of head; tip, top, summit, peak’

444. Proto-Nostratic root *$k^h$*ir*- (~ *$k^h$*er*-):
(vb.) *$k^h$*ir*- ‘to freeze, to be cold’;
(n.) *$k^h$*ir-a* ‘frost, cold’

445. Proto-Nostratic (n.) *$k^h$*iw-a* ‘stone’

446. Proto-Nostratic root *$k^h$*ol$^y$*-:
(vb.) *$k^h$*ol$^y$*- ‘to tie, bind, fasten, fit, combine, or join two things together; to couple, to pair’;
(n.) *$k^h$*ol$^y$-a* ‘any combination of two things: couple, pair’

447. Proto-Nostratic roots *$k^h$*on-k’*-, *$k^h$*ok’*-:
(vb.) *$k^h$*on-V-k’*-, *$k^h$*ok’*- ‘to be bent, curved, crooked’;
(n.) *$k^h$*on-k’-a*, *$k^h$*ok’-a* ‘hook, clasp’; (adj.) ‘bent, curved, crooked’

448. Proto-Nostratic root *$k^h$*ul*- (~ *$k^h$*ol*-):
(vb.) *$k^h$*ul*- ‘to hear, to listen’;
(n.) *$k^h$*ul-a* ‘renown, fame; ear’
Possible derivative:
(vb.) *$k^h$*ul*- ‘to tell’;
(n.) *$k^h$*ul-a* ‘story, tale’

449. Proto-Nostratic root *$k^h$*ul*- (~ *$k^h$*ol*-):
(vb.) *$k^h$*ul*- ‘to tell’;
(n.) *$k^h$*ul-a* ‘story, tale’

Perhaps a derivative of:
(vb.) *$k^h$*ul-* ‘to hear, to listen’;
(n.) *$k^h$*ul-a* ‘renown, fame; ear’

Assuming semantic development as in Greek κλέω ‘to tell of, to make famous, to celebrate’; or Pāḷi (causative) *sāvēti* (also *suṇāpēti*) ‘to cause to hear, to tell, to declare, to announce’ (*suṇāti* ‘to hear’); or Romany (Palestinian) *snaúăr* ‘to inform’ — all ultimately from Proto-Indo-European *$k^h$*l-ew-*/*$k^h$*l-ow-*/*$k^h$*l-u-* ‘to hear’.

450. Proto-Nostratic root *$k^h$*um-*:
(vb.) *$k^h$*um-* ‘to heap up, to pile up, to accumulate’;
(n.) *$k^h$*um-a* ‘large amount, accumulation, heap; crowd, multitude’

451. Proto-Nostratic (n.) *$k^h$*um-a* ‘man, male; penis’

452. Proto-Nostratic root *$k^h$*um-* (~ *$k^h$*om-*):
(vb.) *$k^h$*um-* ‘to char, to blacken; to burn, to smolder; to be or become hot’;
(n.) *$k^h$*um-a* ‘(hot or smoldering) ashes, embers, charcoal; heat, warmth’; (adj.) ‘warm, hot; glowing, smoldering; black’

453. Proto-Nostratic (n.) *$k^h$*ur-a* ‘blood’

454. Proto-Nostratic (n.) *$k^h$*uwan-a* or *$k^h$*un-a* originally a generic term meaning ‘young (especially of animals)’; later specialized as ‘young dog, puppy’ (as in Kannaḍa and Kolami within Dravidian) and then simply ‘dog’

Note: This term may be an early borrowing.

# CHAPTER 22

## PROTO-NOSTRATIC *k’

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| k’- | k’- | k- | k’- | k’- | k- | k- | k- q- |
| -k’- | -k’- | -k(k)- | -k’- | -k’- | -k- | -k- | -k- -q- |

455. Proto-Nostratic root **k’ab-* (~ **k’əb-*):
(vb.) **k’ab-* ‘to seize, to take hold of; to seize with the teeth, to bite’;
(n.) **k’ab-a* ‘seizure, grasp, grip, hold; bite’

456. Proto-Nostratic root **k’ac$^h$-* (~ **k’əc$^h$-*):
(vb.) **k’ac$^h$-* ‘to labor, to strain; to become fatigued, exhausted, wearied (from straining, laboring)’;
(n.) **k’ac$^h$-a* ‘trouble, difficulty, pain, strain’

457. Proto-Nostratic root **k’ač$^h$-* (~ **k’əč$^h$-*):
(vb.) **k’ač$^h$-* ‘to put, join, fasten, wrap, fold, or tie together’;
(n.) **k’ač$^h$-a* ‘tie, band, knot, fastening, wrapping’

458. Proto-Nostratic root **k’ad-* (~ **k’əd-*):
(vb.) **k’ad-* ‘to tie, to fasten; to build, to construct’;
(n.) **k’ad-a* ‘tie, band, fastening’

459. Proto-Nostratic root **k’ak’-* (onomatopoeic):
(vb.) **k’ak’-* ‘to cackle, to chatter’;
(n.) **k’ak’-a* ‘crackling sound’
Derivative:
(n.) **k’ak’-a* (onomatopoeic bird name) ‘partridge’

460. Proto-Nostratic (n.) **k’ak’-a* (onomatopoeic bird name) ‘partridge’
Derivative of:
(vb.) **k’ak’-* ‘to cackle, to chatter’;
(n.) **k’ak’-a* ‘crackling sound’

461. Proto-Nostratic root **k’al-* (~ **k’əl-*):
(vb.) **k’al-* ‘to feed, to nourish’;
(n.) **k’al-a* ‘nourishment, sustenance, nutriment’

462. Proto-Nostratic (n.) **k’al-a* ‘stone, rock’

463. Proto-Nostratic root *k'al- (~ *k'əl-):
(vb.) *k'al- 'to take away, to remove, to deprive of; to decrease, to diminish, to reduce; to be or become reduced or diminished';
(n.) *k'al-a 'littleness, small quantity, scarcity; few things; lack, want, poverty, deficiency, insufficiency'; (adj.) 'little, scanty, sparse, meager, insufficient, lacking, short of, wanting, needy'

464. Proto-Nostratic root *k'al- (~ *k'əl-):
(vb.) *k'al- 'to burn, to warm, to cook, to roast';
(n.) *k'al-a 'cooking, roasting, baking; glowing embers'

465. Proto-Nostratic root *k'al- (~ *k'əl-):
(vb.) *k'al- 'to move, to tremble, to shake, to agitate, to stir, to mix';
(n.) *k'al-a 'agitation, trembling, perturbation, distress, confusion, uneasiness, disturbance'

466. Proto-Nostratic root *k'al- (~ *k'əl-):
(vb.) *k'al- 'to come into being, to be born';
(n.) *k'al-a 'existence, presence, appearance, birth'

467. Proto-Nostratic root *k'al$^{y}$- (~ *k'əl$^{y}$-):
(vb.) *k'al$^{y}$- 'to separate, to remove, to strip off or away: to pluck, tear, or pull off or out';
(n.) *k'al$^{y}$-a 'separation, removal, stripping off or away, etc.'
Derivative:
(n.) *k'al$^{y}$-a 'bald spot'; (adj.) 'bald, bare'

468. Proto-Nostratic (Eurasiatic only) (n.) *k'al$^{y}$-a 'bald spot'; (adj.) 'bald, bare'
Derivative of:
(vb.) *k'al$^{y}$- 'to separate, to remove, to strip off or away: to pluck, tear, or pull off or out';
(n.) *k'al$^{y}$-a 'separation, removal, stripping off or away, etc.'

469. Proto-Nostratic root *k'an- (~ *k'ən-):
(vb.) *k'an- 'to get, to acquire, to create, to produce, to beget';
(n.) *k'an-a 'birth, offspring, child, young, produce'; (adj.) 'born, begotten, produced'

470. Proto-Nostratic (n.) *k'an-a 'jaw, cheek'

471. Proto-Nostratic (n.) *k'an-a 'thickness, density, fatness, abundance'; (adj.) 'thick, dense, fat, abundant, much'

472. Proto-Nostratic root *k’an- (~ *k’ən-):
(vb.) *k’an- ‘to pound, to beat, to strike’;
(n.) *k’an-a ‘knock, strike, cuff, thump; mallet, club, cudgel, truncheon’

473. Proto-Nostratic root *k’aŋ- (~ *k’əŋ-):
(vb.) *k’aŋ- ‘to bend, twist, turn, or tie together’;
(n.) *k’aŋ-a ‘wreath, rope, cord, fiber, tie, band, string’
Derivative:
(n.) *k’aŋ-a ‘knot, knob, joint’

474. Proto-Nostratic (n.) *k’aŋ-a ‘knot, knob, joint’
Derivative of:
(vb.) *k’aŋ- ‘to bend, twist, turn, or tie together’;
(n.) *k’aŋ-a ‘wreath, rope, cord, fiber, tie, band, string’

475. Proto-Nostratic root *k’an$^{y}$- (~ *k’ən$^{y}$-):
(vb.) *k’an$^{y}$- ‘to observe, to perceive’;
(n.) *k’an$^{y}$-a ‘the act of observing, perceiving; that which observes, perceives: eye; perception, observation, recognition, comprehension’

476. Proto-Nostratic (n.) *k’ap$^{h}$-a and/or *k’ep$^{h}$-a ‘jaw, jawbone’

Note: The Altaic cognates seem to point to Proto-Nostratic *k’ep$^{h}$-a, while the Indo-European cognates can be derived from either *k’ap$^{h}$-a or *k’ep$^{h}$-a.

477. Proto-Nostratic (n.) *k’ap$^{h}$-a ‘nape of the neck, back of the head’

478. Proto-Nostratic root *k’ap$^{h}$- (~ *k’əp$^{h}$-):
(vb.) *k’ap$^{h}$- ‘to cover; to shut, to close’;
(n.) *k’ap$^{h}$-a ‘covering’

479. Proto-Nostratic root *k’ar- (~ *k’ər-):
(vb.) *k’ar- ‘to shout, to screech, to call (out to), to cry (out)’;
(n.) *k’ar-a ‘call, cry, invocation, proclamation; roar, lamentation’

480. Proto-Nostratic (n.) *k’ar-a ‘blackness, darkness, obscurity; dark cloud, rainy weather; dirt, grime’; (adj.) ‘dark, dark-colored; dirty, soiled’

481. Proto-Nostratic root *k’ar- (~ *k’ər-):
(vb.) *k’ar- ‘to twist, to turn, to bend, to wind; to tie (together), to bind’;
(n.) *k’ar-a ‘that which is tied or bound together: bunch, bundle’; (adj.) ‘bent, curved, crooked; tied, bound’
Possible derivative:
(n.) *k’ar-a ‘protuberance, lump, hump, breast’

482. Proto-Nostratic (n.) **k'ar-a* 'protuberance, lump, hump, breast'
Possibly derived from (in the sense 'curved shape, swelling'):
(vb.) **k'ar-* 'to twist, to turn, to bend, to wind; to tie (together), to bind';
(n.) **k'ar-a* 'that which is tied or bound together: bunch, bundle'; (adj.) 'bent, curved, crooked; tied, bound'

483. Proto-Nostratic root **k'at$^h$-* (~ **k'ət$^h$-*):
(vb.) **k'at$^h$-* 'to add, join, bring, come, gather, or mix together';
(n.) **k'at$^h$-a* 'blend, mixture, conglomeration, gathering'

484. Proto-Nostratic root **k'aw-* (~ **k'əw-*):
(vb.) **k'aw-* 'to bend, twist, curve, or turn round; to rotate';
(n.) **k'aw-a* 'any round object'; (adj.) 'bent, curved, round'

485. Proto-Nostratic root **k'aw-* (~ **k'əw-*):
(vb.) **k'aw-* 'to take, to seize, to grasp, to hold';
(n.) **k'aw-a* 'hand'

486. Proto-Nostratic (Eurasiatic only) (n.) **k'el-a* 'female in-law: husband's sister, sister-in-law; daughter-in-law'
Note also:
(n.) **k$^h$al-a* 'female in-law'

487. Proto-Nostratic (n.) **k'en$^y$-a* 'knot, joint'

488. Proto-Nostratic root **k'ep'-*:
(vb.) **k'ep'-* 'to cut, chop, split, or break into small pieces; to munch, to chew';
(n.) **k'ep'-a* 'the act of cutting, chopping, splitting, or breaking into small pieces, the act of mincing; chewing (the cud), rumination'

489. Proto-Nostratic root (Eurasiatic only) **k'er-*:
(vb.) **k'er-* 'to decay, to wear out, to wither, to waste away, to become old';
(n.) **k'er-a* 'old age, old person'; (adj.) 'decayed, worn out, withered, wasted, old'

490. Proto-Nostratic root **k'er-*:
(vb.) **k'er-* 'to gather, to collect; to take a handful, to pick, to pluck';
(n.) **k'er-a* 'collection, gathering, handful'

491. Proto-Nostratic root **k'ir-* (~ **k'er-*) or **k'ur-* (~ **k'or-*):
(vb.) **k'ir-* or **k'ur-* 'to cut, to cut into, to incise, to engrave, to notch; to cut off, to sever, to nip off, to clip; to cut in two, to split';
(n.) **k'ir-a* or **k'ur-a* 'cut, slit, notch; chip, piece cut off'

492. Proto-Nostratic (Eurasiatic only) (n.) **k’om-a* ‘hand, fist’
Perhaps related to:
(vb.) **k’um-* ‘to seize, to grasp, to press together’;
(n.) **k’um-a* ‘heap, mass, lump, clump; pressure, compression’

493. Proto-Nostratic (n.) **k’or-a* or **k’ar-a* ‘crane’

494. Proto-Nostratic (n.) **k’os-a* ‘bone’

495. Proto-Nostratic root **k’ud-* (~ **k’od-*):
(vb.) **k’ud-* ‘to strike’;
(n.) **k’ud-a* ‘stroke, blow, knock, cuff, thump’

496. Proto-Nostratic (n.) **k’ud-a* (~ **k’od-a*) ‘vessel, pot’

497. Proto-Nostratic (n.) **k’uɢ-n-a* (~ **k’oɢ-n-a*) ‘gnat, mosquito’

498. Proto-Nostratic root **k’ul-* (~ **k’ol-*):
(vb.) **k’ul-* ‘to lift, to raise, to pick up; to rise, to ascend; to make high, to elevate’;
(n.) **k’ul-a* ‘highest point’

499. Proto-Nostratic root **k’ul$^{y}$-* (~ **k’ol$^{y}$-*):
(vb.) **k’ul$^{y}$-* ‘to be or become cold; to freeze’;
(n.) **k’ul$^{y}$-a* ‘cold, coldness, chill, frost’

500. Proto-Nostratic root **k’um-* (~ **k’om-*):
(vb.) **k’um-* ‘to sigh, to weep, to lament, to moan, to groan’;
(n.) **k’um-a* ‘sigh, mourning, lamentation, moan, groan, roar, grumble’

501. Proto-Nostratic root **k’um-* (~ **k’om-*):
(vb.) **k’um-* ‘to seize, to grasp, to press together’;
(n.) **k’um-a* ‘heap, mass, lump, clump; pressure, compression’
Perhaps related to:
(n.) **k’om-a* ‘hand, fist’

502. Proto-Nostratic root **k’um-* (~ **k’om-*):
(vb.) **k’um-* ‘to bend, to curve; to bend the head or body, to bow or stoop down’;
(n.) **k’um-a* ‘bend, curve; the act of bending, bowing, stooping’
Identical to:
(n.) **k’um-a* ‘a bent or curved object: hollow, cavity; knob, lump, hump; etc.’

503. Proto-Nostratic (n.) **k'um-a* 'a bent or curved object: hollow, cavity; knob, lump, hump; etc.':
Identical to:
(vb.) **k'um-* 'to bend, to curve; to bend the head or body, to bow or stoop down';
(n.) **k'um-a* 'bend, curve; the act of bending, bowing, stooping'

504. Proto-Nostratic root **k'un-* (~ **k'on-*):
(vb.) **k'un-* 'to bend; to bend or fold together; to tie or bind together';
(n.) **k'un-a* 'that which is bent, folded, crooked, curved, hooked: bend, fold, curve, curvature, angle, wrinkle'

505. Proto-Nostratic (n.) **k'uŋ-a* 'buttocks, rump, anus'

506. Proto-Nostratic (n.) **k'ut'-a* 'shortness, smallness'; (adj.) 'short, small'

# CHAPTER 23

## PROTO-NOSTRATIC *$g^w$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| $g^w$- | $g^w$- | k- | gw/u- | $g^{wh}$- | k- | g- | k- q- |
| -$g^w$- | -$g^w$- | -k- | -gw/u- | -$g^{wh}$- | -x- | -g- | -ɣ- |

507. Proto-Nostratic (n.) *$g^w$*al-a* ‘snake’

508. Proto-Nostratic root *$g^w$*an-* (~ *$g^w$*ən-*):
(vb.) *$g^w$*an-* ‘to hit, to strike, to slay, to kill, to wound, to harm, to injure’;
(n.) *$g^w$*an-a* ‘strike, harm, injury’

509. Proto-Nostratic root *$g^w$*an-* (~ *$g^w$*ən-*):
(vb.) *$g^w$*an-* ‘to swell, to abound’;
(n.) *$g^w$*an-a* ‘swelling, abundance, large quantity, prosperity’

510. Proto-Nostratic root *$g^w$*ar-* (~ *$g^w$*ər-*):
(vb.) *$g^w$*ar-* ‘to turn, to twist, to wind, to wrap, to roll’;
(n.) *$g^w$*ar-a* ‘any round or circular object’; (adj.) ‘rolling, round, bent, twisted, turned’

511. Proto-Nostratic root *$g^w$*ir-* (~ *$g^w$*er-*):
(vb.) *$g^w$*ir-* ‘to be or become hot, to warm’;
(n.) *$g^w$*ir-a* ‘heat, fire’

# CHAPTER 24

## PROTO-NOSTRATIC *$k^{wh}$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| $k^{wh}$- | $k^{w}$- | k- | kw/u- | $k^{wh}$- | k- | $k^{h}$- | k- q- |
| -$k^{wh}$- | -$k^{w}$- | -k(k)- | -kw/u- | -$k^{wh}$- | -k(k)- | -$k^{h}$- | -k(k)- -q(q)- |

512. Proto-Nostratic post-positional intensifying and conjoining particle *$k^{wh}a$- (~ *$k^{wh}ə$-)

513. Proto-Nostratic root *$k^{wh}al$- (~ *$k^{wh}əl$-):
(vb.) *$k^{wh}al$- 'to go, to walk, to move about';
(n.) *$k^{wh}al$-*a* 'walking, walk, wandering, roaming'
Probably identical to:
(vb.) *$k^{wh}al$- 'to revolve, to go around, to roll';
(n.) *$k^{wh}al$-*a* 'circle, circuit'

514. Proto-Nostratic root *$k^{wh}al$- (~ *$k^{wh}əl$-):
(vb.) *$k^{wh}al$- 'to revolve, to go around, to roll';
(n.) *$k^{wh}al$-*a* 'circle, circuit'
Probably identical to:
(vb.) *$k^{wh}al$- 'to go, to walk, to move about';
(n.) *$k^{wh}al$-*a* 'walking, walk, wandering, roaming'
Derivative:
(n.) *$k^{wh}al$-*a* 'that which turns, rolls, revolves, or goes round and round' (> 'wheel' in the daughter languages)

515. Proto-Nostratic (n.) *$k^{wh}al$-*a* 'that which turns, rolls, revolves, or goes round and round' (> 'wheel' in the daughter languages)
Derivative of:
(vb.) *$k^{wh}al$- 'to revolve, to go around, to roll';
(n.) *$k^{wh}al$-*a* 'circle, circuit'

516. Proto-Nostratic root *$k^{wh}al$- (~ *$k^{wh}əl$-):
(vb.) *$k^{wh}al$- 'to end, to come to an end; to bring to an end, to complete, to finish';
(n.) *$k^{wh}al$-*a* 'end, finish, completion, fulfillment'

517. Proto-Nostratic (Eurasiatic only) (adv.) (?) *$k^{wh}al$- 'far off, far away, distant'

518. Proto-Nostratic (n.) *$k^{wh}al$-*a* 'a large fish'

519. Proto-Nostratic root *$k^{wh}$*ar*- (~ *$k^{wh}$*ər*-):
(vb.) *$k^{wh}$*ar*- ‘to cut’;
(n.) *$k^{wh}$*ar-a* ‘piece cut off; knife’
Derivatives:
(vb.) *$k^{wh}$*ar*- ‘to cut a groove, to hollow out, to dig’;
(n.) *$k^{wh}$*ar-a* ‘cut, hole, hollow, digging, excavation, pit, groove, trench’
(vb.) *$k^{wh}$*ar*- ‘to cut short, to reduce, to decrease, to diminish, to lessen’;
(n.) *$k^{wh}$*ar-a* ‘shortness’; (adj.) ‘short’

520. Proto-Nostratic root *$k^{wh}$*ar*- (~ *$k^{wh}$*ər*-):
(vb.) *$k^{wh}$*ar*- ‘to cut a groove, to hollow out, to dig’;
(n.) *$k^{wh}$*ar-a* ‘cut, hole, hollow, digging, excavation, pit, groove, trench’
Derivative of:
(vb.) *$k^{wh}$*ar*- ‘to cut’;
(n.) *$k^{wh}$*ar-a* ‘piece cut off; knife’

521. Proto-Nostratic root *$k^{wh}$*ar*- (~ *$k^{wh}$*ər*-):
(vb.) *$k^{wh}$*ar*- ‘to cut short, to reduce, to decrease, to diminish, to lessen’;
(n.) *$k^{wh}$*ar-a* ‘shortness’; (adj.) ‘short’
Derivative of:
(vb.) *$k^{wh}$*ar*- ‘to cut’;
(n.) *$k^{wh}$*ar-a* ‘piece cut off; knife’

522. Proto-Nostratic (n.) *$k^{wh}$*ar-a* ‘vessel, pot’

523. Proto-Nostratic root *$k^{wh}$*ar*- (~ *$k^{wh}$*ər*-):
(vb.) *$k^{wh}$*ar*- ‘to procure’;
(n.) *$k^{wh}$*ar-a* ‘payment, procurement’

524. Proto-Nostratic root *$k^{wh}at^h$- (~ *$k^{wh}$*ə*$t^h$-):
(vb.) *$k^{wh}at^h$- ‘to move rapidly, to shake’;
(n.) *$k^{wh}at^h$-a* ‘rapid movement, shaking’

525. Proto-Nostratic (particle) *$k^{wh}$*ay*- ‘when, as, though, also’
Possibly derived from:
Relative pronoun stem *$k^{wh}$*i*-; interrogative pronoun stem *$k^{wh}$*a*-

526. Proto-Nostratic root *$k^{wh}$*ey*-:
(vb.) *$k^{wh}$*ey*- ‘to repay in kind, to return an equal measure’;
(n.) *$k^{wh}$*ey-a* ‘payment, repayment’

527. Proto-Nostratic root *$k^{wh}$*ey*-:
(vb.) *$k^{wh}$*ey*- ‘to do, to make, to create; to form, to fashion’;
(n.) *$k^{wh}$*ey-a* ‘act, deed, creation’

528. Proto-Nostratic relative pronoun stem *$k^{wh}i$- (~ *$k^{wh}e$-); interrogative pronoun stem *$k^{wh}a$- (~ *$k^{wh}ə$-)

529. Proto-Nostratic root *$k^{wh}ir$- (~ *$k^{wh}er$-):
(vb.) *$k^{wh}ir$- 'to twist or twine together, to tie together, to bind, to fasten';
(n.) *$k^{wh}ir$-$a$ 'twist, tie, bundle, rope; the act of twisting or twining together: work, craft, act, action'

530. Proto-Nostratic (n.) (?) *$k^{wh}ur$-$a$ 'body, belly'

531. Proto-Nostratic (n.) *$k^{wh}ur$-$a$ 'worm, grub, maggot, insect'

# CHAPTER 25

## PROTO-NOSTRATIC *k'$^{w}$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| k'$^{w}$- | k'$^{w}$- | k- | k'w/u- | k'$^{w}$- | k- | k- | k- q- |
| -k'$^{w}$- | -k'$^{w}$- | -k(k)- | -k'w/u- | -k'$^{w}$- | -k- | -k- | -k- -q- |

532. Proto-Nostratic root **k'$^{w}$ad-* (~ **k'$^{w}$əd-*):
(vb.) **k'$^{w}$ad-* 'to strike, to beat, to smash, to pound';
(n.) **k'$^{w}$ad-a* 'knock, stroke, thrust'
Note also:
(vb.) **k'$^{w}$ed-* 'to destroy, to damage, to ruin; to decay, to rot, to spoil';
(n.) **k'$^{w}$ed-a* 'death, destruction, damage, ruin, decay'

533. Proto-Nostratic (n.) **k'$^{w}$ad-a* 'hind part, end, tail'

534. Proto-Nostratic root **k'$^{w}$aħ-* (~ **k'$^{w}$əħ-*):
(vb.) **k'$^{w}$aħ-* 'to hit, to strike, to beat, to pound; to push or press in';
(n.) **k'$^{w}$aħ-a* 'club, cudgel'; (adj.) 'hit, beaten, pounded, pushed or pressed together, crammed, filled'

535. Proto-Nostratic root **k'$^{w}$al-* (~ **k'$^{w}$əl-*):
(vb.) **k'$^{w}$al-* 'to go: to go away from, to go after or behind';
(n.) **k'$^{w}$al-a* 'track, way'

536. Proto-Nostratic root **k'$^{w}$al$^{y}$-* (~ **k'$^{w}$əl$^{y}$-*):
(vb.) **k'$^{w}$al$^{y}$-* 'to gush forth, to overflow; to flow, to leak, to ooze, to drip, to trickle';
(n.) **k'$^{w}$al$^{y}$-a* 'gush, flow, drip, trickle; river, stream, spring'

537. Proto-Nostratic root **k'$^{w}$am-* (~ **k'$^{w}$əm-*):
(vb.) **k'$^{w}$am-* 'to burn slowly, to smolder; to be hot, to be red-hot, to be glowing; to smoke';
(n.) **k'$^{w}$am-a* 'embers, ashes; heat; smoke'

538. Proto-Nostratic root **k'$^{w}$an-* (~ **k'$^{w}$ən-*):
(vb.) **k'$^{w}$an-* 'to suckle, to nurse; to suck';
(n.) **k'$^{w}$an-a* 'udder, bosom, breast'
Derivative:
(n.) **k'$^{w}$an-a* 'woman, wife'

539. Proto-Nostratic (Eurasiatic only) (n.) *$k'^{w}an$-$a$ ‘woman, wife’
Derivative of:
(vb.) *$k'^{w}an$- ‘to suckle, to nurse; to suck’;
(n.) *$k'^{w}an$-$a$ ‘udder, bosom, breast’

Semantic development as in Latin *fēmina* ‘female, woman’ from the same root as in *fēlō* ‘to suck’, hence, ‘one who gives suck’.

540. Proto-Nostratic root *$k'^{w}ar$- (~ *$k'^{w}ər$-):
(vb.) *$k'^{w}ar$- ‘to be cold’;
(n.) *$k'^{w}ar$-$a$ ‘cold, coldness’

541. Proto-Nostratic root *$k'^{w}ar$- (~ *$k'^{w}ər$-):
(vb.) *$k'^{w}ar$- ‘to rest, to stay, to remain’;
(n.) *$k'^{w}ar$-$a$ ‘stillness, quietude, repose, rest, resting place’; (adj.) ‘still, quiet, at rest’

542. Proto-Nostratic root *$k'^{w}ar$- (~ *$k'^{w}ər$-):
(vb.) *$k'^{w}ar$- ‘to crush, to grind’;
(n.) *$k'^{w}ar$-$a$ ‘grinding pestle, grinding stone; stone, rock’

543. Proto-Nostratic (n.) *$k'^{w}ar$-$b$-$a$ ‘the inside, the middle, interior, inward part’

544. Proto-Nostratic root *$k'^{w}ar^{y}$- (~ *$k'^{w}ər^{y}$-):
(vb.) *$k'^{w}ar^{y}$- ‘to thunder, to rumble’;
(n.) *$k'^{w}ar^{y}$-$a$ ‘rain, storm, stormy weather, thunderstorm’

545. Proto-Nostratic root *$k'^{w}as$- (~ *$k'^{w}əs$-):
(vb.) *$k'^{w}as$- ‘to strike fire, to put out (fire)’;
(n.) *$k'^{w}as$-$a$ ‘spark, fire’

546. Proto-Nostratic root *$k'^{w}as$- (~ *$k'^{w}əs$-) (onomatopoeic):
(vb.) *$k'^{w}as$- ‘to sigh, to moan, to groan; to whisper, to murmur, to mumble’;
(n.) *$k'^{w}as$-$a$ ‘sigh, moan, groan, whisper, murmur, mumble’

547. Proto-Nostratic root *$k'^{w}at'$- (~ *$k'^{w}ət'$-):
(vb.) *$k'^{w}at'$- ‘to burn, to smolder, to smoke’;
(n.) *$k'^{w}at'$-$a$ ‘burning, heat, smoke’

548. Proto-Nostratic root *$k'^{w}at'$- (~ *$k'^{w}ət'$-):
(vb.) *$k'^{w}at'$- ‘to cut’;
(n.) *$k'^{w}at'$-$a$ ‘knife, cutting instrument’; (adj.) ‘sharp’

549. Proto-Nostratic root *$k'^{w}ed$-:
(vb.) *$k'^{w}ed$- 'to destroy, to damage, to ruin; to decay, to rot, to spoil';
(n.) *$k'^{w}ed$-$a$ 'death, destruction, damage, ruin, decay'
Note also:
(vb.) *$k'^{w}ad$- 'to strike, to beat, to smash, to pound';
(n.) *$k'^{w}ad$-$a$ 'knock, stroke, thrust'

550. Proto-Nostratic root *$k'^{w}iy$- (~ *$k'^{w}ey$-):
(vb.) *$k'^{w}iy$- 'to be putrid, purulent';
(n.) *$k'^{w}iy$-$a$ 'pus'

551. Proto-Nostratic (n.) *$k'^{w}ow$-$a$ 'bullock, ox, cow'

552. Proto-Nostratic (Eurasiatic only) (n.) *$k'^{w}oy$-$a$ 'outer covering: skin, hide, leather; bark (of a tree), shell, crust'

553. Proto-Nostratic root *$k'^{w}ur^{y}$- (~ *$k'^{w}or^{y}$-):
(vb.) *$k'^{w}ur^{y}$- 'to be heavy, weighty, solid, bulky';
(n.) *$k'^{w}ur^{y}$-$a$ 'heaviness, weight, solidity, thickness'; (adj.) 'heavy, weighty, solid, bulky'

# CHAPTER 26

## PROTO-NOSTRATIC *ɢ

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| ɢ- | ɢ- (?) | k- | ɢ- | $g^h$- | k- | g- | k- q- |
| -ɢ- | -ɢ- (?) | -k- | -ɢ- | -$g^h$- | -x- | -g- | -ɣ- |

554. Proto-Nostratic root *ɢ*ad*- (~ *ɢ*əd*-):
(vb.) *ɢ*ad*- 'to make a loud sound or loud noise';
(n.) *ɢ*ad-a* 'loud noise, clap of thunder, loud clatter, loud rumble'
Reduplicated (Semitic and Dravidian):
(vb.) *ɢ*ad-*ɢ*ad*- 'to make a loud sound or loud noise';
(n.) *ɢ*ad-*ɢ*ad-a* 'loud noise, clap of thunder, loud clatter, loud rumble'

555. Proto-Nostratic root *ɢ*al*- (~ *ɢ*əl*-):
(vb.) *ɢ*al*- 'to come, to go';
(n.) *ɢ*al-a* 'the act of coming or going; trip, voyage'

556. Proto-Nostratic root *ɢ*al*- (~ *ɢ*əl*-):
(vb.) *ɢ*al*- 'to flow';
(n.) *ɢ*al-a* 'ravine, gully, watercourse, river'

557. Proto-Nostratic root *ɢ*al*- (~ *ɢ*əl*-):
(vb.) *ɢ*al*- 'to stir up, to agitate, to disturb; to be stirred up, agitated, disturbed';
(n.) *ɢ*al-a* 'agitation, disturbance, perturbation; quarrel, fight, battle'

558. Proto-Nostratic root *ɢ*am*- (~ *ɢ*əm*-):
(vb.) *ɢ*am*- 'to gather together, to bring together, to put together, to join together, to come together, to do together';
(n.) *ɢ*am-a* 'gathering, collection, crowd, multitude, throng'

559. Proto-Nostratic root *ɢ*ar*- (~ *ɢ*ər*-):
(vb.) *ɢ*ar*- 'to mutter, to groan, to grumble, to howl, to roar';
(n.) *ɢ*ar-a* 'groan, howl, murmur, roar, cry'
Reduplicated (Semitic and Kartvelian):
(vb.) *ɢ*ar-*ɢ*ar*- 'to mutter, to groan, to grumble, to howl, to roar';
(n.) *ɢ*ar-*ɢ*ar-a* 'groan, howl, murmur, roar, cry'

560. Proto-Nostratic root *ɢar- (~ *ɢər-):
(vb.) *ɢar- ‘to crush, to grate, to grind; to melt, to dissolve’;
(n.) *ɢar-a ‘the act of crushing, grating, grinding’; (adj.) ‘crushed, grated, ground, dissolved, melted, softened’

561. Proto-Nostratic root *ɢar- (~ *ɢər-):
(vb.) *ɢar- ‘to dig, to dig up, to dig out’;
(n.) *ɢar-a ‘that which is used to dig: spade; that which is dug (out): furrow, ditch, gutter, canal’

562. Proto-Nostratic (n.) *ɢarʸ-a ‘stick, staff, rod, pole, stalk, stem’

563. Proto-Nostratic (n.) *ɢarʸ-a ‘wildfowl, wild goose’
Reduplicated:
(n.) *ɢarʸ-ɢarʸ-a ‘wildfowl, wild goose’

564. Proto-Nostratic root *ɢat’ʸ- (~ *ɢət’ʸ-):
(vb.) *ɢat’ʸ- ‘to bite’;
(n.) *ɢat’ʸ-a ‘bite’; (adj.) ‘biting, sharp, bitter’
Derivative:
(n.) *ɢat’ʸ-a ‘jaw, chin’

565. Proto-Nostratic (n.) *ɢat’ʸ-a ‘jaw, chin’
Derivative of:
(vb.) *ɢat’ʸ- ‘to bite’;
(n.) *ɢat’ʸ-a ‘bite’; (adj.) ‘biting, sharp, bitter’

566. Proto-Nostratic root *ɢer-:
(vb.) *ɢer- ‘to stretch out the hand, to raise one’s hand’;
(n.) *ɢer-a ‘the act of stretching out or raising one’s hand’

567. Proto-Nostratic root (Eurasiatic only) *ɢil- (~ *ɢel-):
(vb.) *ɢil- ‘to shine, to glisten’;
(n.) *ɢil-a ‘brilliance, shine’; (adj.) ‘shining, glistening, gleaming, brilliant’

568. Proto-Nostratic root *ɢit’- (~ *ɢet’-):
(vb.) *ɢit’- ‘to tickle’;
(n.) *ɢit’-a ‘armpit’

569. Proto-Nostratic root *ɢub- (~ *ɢob-):
(vb.) *ɢub- ‘to bend, to twist’;
(n.) *ɢub-a ‘that which is twisted, bent, curved: hunch, wattle’

# CHAPTER 27

## PROTO-NOSTRATIC *$q^h$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| $q^h$- | q- (?) | k- | q- | $k^h$- | k- | $k^h$- | k- q- |
| -$q^h$- | -q- (?) | -k(k)- | -q- | -$k^h$- | -k(k)- | -$k^h$- | -k(k)- -q(q)- |

570. Proto-Nostratic root *$q^h$*ad*- (~ *$q^h$*əd*-):
(vb.) *$q^h$*ad*- 'to move, to put in motion, to be in motion';
(n.) *$q^h$*ad-a* 'way, path, direction, passage; movement, motion; hard work, diligence'

571. Proto-Nostratic root *$q^h$*al*- (~ *$q^h$*əl*-):
(vb.) *$q^h$*al*- 'to strike, to split, to cut, to wound, to injure';
(n.) *$q^h$*al-a* 'stroke, blow, wound, cut, slash, damage, injury'

572. Proto-Nostratic root *$q^h$*am*- (~ *$q^h$*əm*-):
(vb.) *$q^h$*am*- 'to cover, to conceal';
(n.) *$q^h$*am-a* 'covering'

573. Proto-Nostratic root *$q^h ar^y$- (~ *$q^h$*ə*$r^y$-):
(vb.) *$q^h ar^y$- 'to make a rasping sound, to be hoarse; to creak, to croak';
(n.) *$q^h ar^y$-a* 'neck, throat'

574. Proto-Nostratic root *$q^h at^h$- (~ *$q^h$*ə*$t^h$-):
(vb.) *$q^h at^h$- 'to beat, to strike, to fight';
(n.) *$q^h at^h$-a* 'anger, fury, wrath, spite; fight, battle, quarrel; killing, slaughter'

575. Proto-Nostratic root *$q^h oc^h$-:
(vb.) *$q^h oc^h$- 'to take off, to take away, to remove' (> 'to remove by wiping, sweeping, rubbing, peeling, pulling or tearing off, etc.');
(n.) *$q^h oc^h$-a* 'the act of removing; that which has been removed' (> 'rubbish, refuse, sweepings, etc.')

# CHAPTER 28

## PROTO-NOSTRATIC *q’

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| q’- | q’- (?) | k- | q’- | k’- | k- | k- | k- q- |
| -q’- | -q’- (?) | -k(k)- | -q’- | -k’- | -k- | -k- | -k- -q- |

576. Proto-Nostratic (n.) **q’ab-a* ‘jaw’

577. Proto-Nostratic root **q’al-* (~ **qəl-*) or **q’el-*:
(vb.) **q’al-* or **q’el-* ‘to glitter, to sparkle, to shine, to be or become bright; to make bright’;
(n.) **q’al-a* or **q’el-a* ‘any bright, shining object: star’

578. Proto-Nostratic (n.) **q’al$^{y}$-a* ‘sexual organs, genitals, private parts (male or female)’

579. Proto-Nostratic root **q’am-* (~ **q’əm-*):
(vb.) **q’am-* ‘to crush, to grind; to chew, to bite, to eat’;
(n.) **q’am-a* ‘bite; tooth’

580. Proto-Nostratic (n.) **q’an-a* ‘field, land, (open) country’

581. Proto-Nostratic root **q’ar$^{y}$-* (~ **q’ər$^{y}$-*):
(vb.) **q’ar$^{y}$-* ‘to rot, to stink’;
(n.) **q’ar$^{y}$-a* ‘rotten, stinking, putrid thing’; (adj.) ‘rotten, stinking, putrid’

582. Proto-Nostratic (n.) **q’aw-a* ‘head, forehead, brow’

583. Proto-Nostratic root **q’el-*:
(vb.) **q’el-* ‘to swallow’;
(n.) **q’el-a* ‘neck, throat’

584. Proto-Nostratic root **q’in-* (~ **q’en-*):
(vb.) **q’in-* ‘to freeze, to be or become cold’;
(n.) **q’in-a* ‘cold, frost’

# CHAPTER 29

## PROTO-NOSTRATIC *ɢʷ

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| ɢʷ- | gʷ- | k- | ɢw/u- | gʷʰ- | k- | g- | k- q- |
| -ɢʷ- | -gʷ- | -k- | -ɢw/u- | -gʷʰ- | -x- | -g- | -ɣ- |

585. Proto-Nostratic root *ɢʷ*al*- (~ *ɢʷ*əl*-):
(vb.) *ɢʷ*al*- ‘to curve, to bend, to roll; to be round’;
(n.) *ɢʷ*al-a* ‘round object: circle, globe, sphere, ball, etc.’
Derivative:
(n.) *ɢʷ*al-a* ‘head, skull’

586. Proto-Nostratic (n.) *ɢʷ*al-a* ‘head, skull’
Derivative of:
(vb.) *ɢʷ*al*- ‘to curve, to bend, to roll; to be round’;
(n.) *ɢʷ*al-a* ‘round object: circle, globe, sphere, ball, etc.’

# CHAPTER 30

## PROTO-NOSTRATIC *q’$^{w}$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| q’$^{w}$- | q’$^{w}$- (?) | k- | q’w/u- | k’$^{w}$- | k- | k- | k- q- |
| -q’$^{w}$- | -q’$^{w}$- (?) | -k(k)- | -q’w/u- | -k’$^{w}$- | -k- | -k- | -k- -q- |

587. Proto-Nostratic root **q’$^{w}$ad-* (~ **q’$^{w}$əd-*):
(vb.) **q’$^{w}$ad-* ‘to abide, to dwell; to relax, to rest, to be or become calm’;
(n.) **q’$^{w}$ad-a* ‘dwelling, abode, house’

588. Proto-Nostratic root **q’$^{w}$al-* (~ **q’$^{w}$əl-*):
(vb.) **q’$^{w}$al-* ‘to call (out), to cry (out), to shout’;
(n.) **q’$^{w}$al-a* ‘call, cry, outcry, sound, noise, hubbub, uproar’

589. Proto-Nostratic root **q’$^{w}$al-* (~ **q’$^{w}$əl-*):
(vb.) **q’$^{w}$al-* ‘to strike, to hit, to cut, to hurt, to wound, to slay, to kill’;
(n.) **q’$^{w}$al-a* ‘killing, murder, manslaughter, destruction, death’
Probably identical to:
(vb.) **q’$^{w}$al-* ‘to throw, to hurl’;
(n.) **q’$^{w}$al-a* ‘sling, club; throwing, hurling’

590. Proto-Nostratic root **q’$^{w}$al-* (~ **q’$^{w}$əl-*):
(vb.) **q’$^{w}$al-* ‘to throw, to hurl’;
(n.) **q’$^{w}$al-a* ‘sling, club; throwing, hurling’
Probably identical to:
(vb.) **q’$^{w}$al-* ‘to strike, to hit, to cut, to hurt, to wound, to slay, to kill’;
(n.) **q’$^{w}$al-a* ‘killing, murder, manslaughter, destruction, death’

591. Proto-Nostratic (n.) **q’$^{w}$ar-a* ‘edge, point, tip, peak’

592. Proto-Nostratic root **q’$^{w}$ar-* (~ **q’$^{w}$ər-*) or **q’$^{w}$ur-* (~ **q’$^{w}$or-*):
(vb.) **q’$^{w}$ar-* or **q’$^{w}$ur-* ‘to call out, to cry out’;
(n.) **q’$^{w}$ar-a* or **q’$^{w}$ur-a* ‘call, cry, shout’

593. Proto-Nostratic root **q’$^{w}$ar$^{y}$-* (~ **q’$^{w}$ər$^{y}$-*) or **q’$^{w}$ur$^{y}$-* (~ **q’$^{w}$or$^{y}$-*):
(vb.) **q’$^{w}$ar$^{y}$-* or **q’$^{w}$ur$^{y}$-* ‘to hear’;
(n.) **q’$^{w}$ar$^{y}$-a* or **q’$^{w}$ur$^{y}$-a* ‘ear’

594. Proto-Nostratic root (Eurasiatic only) *$q'^{w}at^{yh}$- (~ *$q'^{w}ət^{yh}$-):
(vb.) *$q'^{w}at^{yh}$- ‘to say, to speak, to call’;
(n.) *$q'^{w}at^{yh}$-*a* ‘call, invocation, invitation, summons’

595. Proto-Nostratic root *$q'^{w}ur$- (~ *$q'^{w}or$-):
(vb.) *$q'^{w}ur$- ‘to swallow’;
(n.) *$q'^{w}ur$-*a* ‘neck, throat’

# CHAPTER 31

## PROTO-NOSTRATIC *t͡ɬʰ

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| t͡ɬʰ- | t͡ɬ- | c- | x- | kʰ- | sʸ- | š- | ɬ- |
| -t͡ɬʰ- | -t͡ɬ- | -k- | -x- | -kʰ- | -δ- (?) | | -ɬ- |

596. Proto-Nostratic (n.) *t͡ɬʰaħ-a* ‘(young) sheep or goat’

597. Proto-Nostratic root *t͡ɬʰakʷʰ- (~ *t͡ɬʰəkʷʰ-):
(vb.) *t͡ɬʰakʷʰ- ‘to prick, to pierce, to stab’;
(n.) *t͡ɬʰakʷʰ-a* ‘stab, thrust, jab; thorn, spike, prong, barb’

598. Proto-Nostratic root *t͡ɬʰal- (~ *t͡ɬʰəl-):
(vb.) *t͡ɬʰal- ‘to cut, split, or break open’;
(n.) *t͡ɬʰal-a* ‘slit, crack’

599. Proto-Nostratic root *t͡ɬʰar- (~ *t͡ɬʰər-):
(vb.) *t͡ɬʰar- ‘to cause harm, to injure, to cause strife’;
(n.) *t͡ɬʰar-a* ‘injury, harm, strife’

600. Proto-Nostratic root *t͡ɬʰar- (~ *t͡ɬʰər-):
(vb.) *t͡ɬʰar- ‘to cut, to cut into’;
(n.) *t͡ɬʰar-a* ‘cut, slit, slice, slash; that which cuts: saw, knife, axe’
Extended form:
(vb.) *t͡ɬʰar-V-t’- ‘to make incisions, to cut into’;
(n.) *t͡ɬʰar-t’-a* ‘scratch, incision’

601. Proto-Nostratic root *t͡ɬʰar- (~ *t͡ɬʰər-):
Extended form:
(vb.) *t͡ɬʰar-V-t’- ‘to make incisions, to cut into’;
(n.) *t͡ɬʰar-t’-a* ‘scratch, incision’
Derivative of:
(vb.) *t͡ɬʰar- ‘to cut, to cut into’;
(n.) *t͡ɬʰar-a* ‘cut, slit, slice, slash; that which cuts: saw, knife, axe’

602. Proto-Nostratic root *t͡ɬʰay- (~ *t͡ɬʰəy-):
(vb.) *t͡ɬʰay- ‘to grow old, to turn gray (hair)’;
(n.) *t͡ɬʰay-a* ‘old age, gray hair’

603. Proto-Nostratic root *t͡ɬʰer-:
(vb.) *t͡ɬʰer- ‘to burn, to roast’;
(n.) *t͡ɬʰer-a ‘ash(es), charcoal, burnt wood; firewood’; (adj.) ‘burned, heated, roasted, charred, parched’

604. Proto-Nostratic root *t͡ɬʰiʕ- (~ *t͡ɬʰeʕ-):
Extended form:
(vb.) *t͡ɬʰiʕ-V-r- ‘to comb’;
(n) *t͡ɬʰiʕ-r-a ‘hair’:

Note: The original meaning of the stem *t͡ɬʰiʕ- (~ *t͡ɬʰeʕ-) may have been ‘to scratch, to scrape’ (> ‘to comb’ > ‘hair’); this stem may be preserved in Cushitic: Proto-Cushitic *ɬaʕf-/*ɬiʕf- or *laʕf-/*liʕf- ‘to claw, to scratch’ (cf. Ehret 1995:429, no. 891). For derivation of the word for ‘hair’ from a stem with the meaning ‘to scratch, to scrape’, cf. Old Church Slavic *kosa* ‘hair’, Serbo-Croatian *kòsa* ‘hair, wool’, etc., *o*-grade of the root found in Common Slavic **česati* ‘to scratch, to comb’ > Russian *česát'* [чесать] ‘to scratch, to comb’.

605. Proto-Nostratic root *t͡ɬʰil- (~ *t͡ɬʰel-) or (?) *t͡ɬʰid͡ɮ- (~ *t͡ɬʰed͡ɮ-):
(vb.) *t͡ɬʰil- or (?) *t͡ɬʰid͡ɮ- ‘to see’;
(n.) *t͡ɬʰil-a or (?) *t͡ɬʰid͡ɮ-a ‘eye’

606. Proto-Nostratic root *t͡ɬʰir- (~ *t͡ɬʰer-):
(vb.) *t͡ɬʰir- ‘to be highly esteemed, eminent, illustrious, glorious’;
(n.) *t͡ɬʰir-a ‘high rank, chief, chieftain, ruler’

607. Proto-Nostratic root *t͡ɬʰuŋ- (~ *t͡ɬʰoŋ-):
Extended form:
(vb.) *t͡ɬʰuŋ-V-kʰ- ‘to hook up, to hang up, to suspend (tr.); to dangle, to hang (intr.)’;
(n.) *t͡ɬʰuŋ-kʰ-a ‘peg, hook’

608. Proto-Nostratic root *t͡ɬʰut’- (~ *t͡ɬʰot’-):
(vb.) *t͡ɬʰut’- ‘to cut, to split’;
(n.) *t͡ɬʰut’-a ‘cut, split’

# CHAPTER 32

## PROTO-NOSTRATIC *t͡ɬ’

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| t͡ɬ’- | t͡ɬ’- | t- | k’- | k’- | δʸ- | | |
| -t͡ɬ’- | -t͡ɬ’- | -ṭ(ṭ)- | -k’- | -k’- | -δʸ- | | |

609. Proto-Nostratic root *t͡ɬ’ar- (~ *t͡ɬ’ər-):
(vb.) *t͡ɬ’ar- ‘to bite, to gnaw’;
(n.) *t͡ɬ’ar-a ‘bite’
Extended form (in Semitic and Indo-European):
(vb.) *t͡ɬ’ar-V-s- ‘to bite, to gnaw’;
(n.) *t͡ɬ’ar-s-a ‘tooth; morsel bitten, food, nourishment’

610. Proto-Nostratic root *t͡ɬ’il- (~ *t͡ɬ’el-):
(vb.) *t͡ɬ’il- ‘to be bent, curved, round’;
(n.) *t͡ɬ’il-a ‘bent, curved, round thing or object’; (adj.) ‘bent, curved, round’

611. Proto-Nostratic root *t͡ɬ’im- (~ *t͡ɬ’em-):
(vb.) *t͡ɬ’im- ‘to join, bind, press, or unite together’;
(n.) *t͡ɬ’im-a ‘bond, tie, union, connection’; (adj.) ‘joined, bound, pressed, or united together; tied, harnessed, glued, etc.’

612. Proto-Nostratic root *t͡ɬ’ukʰ- (~ *t͡ɬ’okʰ-):
(vb.) *t͡ɬ’ukʰ- ‘to push, to shove, to thrust (in), to press (in)’;
(n.) *t͡ɬ’ukʰ-a ‘push, shove, thrust’

# CHAPTER 33

## PROTO-NOSTRATIC *ʔ

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| ʔ- | ʔ- | Ø- | Ø- | ʔ- | Ø- | Ø- | Ø- |
| -ʔ- | -ʔ- | -Ø- | -Ø- | -ʔ- | -Ø- | -Ø- | -Ø- |

613. Proto-Nostratic 1st singular personal pronoun stem **ʔa-* (~ **ʔə-*), **ʔi-* (~ **ʔe-*) 'I, me'

No doubt originally the same as the deictic particles **ʔa-*, **ʔi-* listed below.

Note: The Chukchi forms support the view that we are dealing with what was originally a deictic particle here inasmuch as the same patterning is found in both the first and second person predicative pronoun stems. Moreover, it is the proximate deictic form **ʔi-* (~ **ʔe-*) that is represented in Chukchi-Kamchatkan as opposed to the distant form **ʔa-* (~ **ʔə-*) found in Afrasian (the Proto-Indo-European forms **ʔe+k'-*, **ʔe+g$^h$-*, and **ʔe+k$^h$-* are phonologically ambiguous). This seems to indicate that independent developments were involved in each branch, using the same basic elements.

614. Proto-Nostratic demonstrative stems (originally deictic particles):
Proximate: **ʔi-* (~ **ʔe-*) 'this';
Intermediate: **ʔu-* (~ **ʔo-*) 'that';
Distant: **ʔa-* (~ **ʔə-*) 'that yonder, that over there'

Note: These stems often combined with other deictic particles: **ʔa/i/u+na-*, **ʔa/i/u+ša-*,**ʔa/i/u+ma-*,**ʔa/i/u+t$^h$a-*, **ʔa/i/u+k$^h$a-*, **ʔa/i/u+ya-*, etc.

615. Proto-Nostratic (n.) **ʔab-a* 'strength, power'; (adj.) 'strong, mighty'

616. Proto-Nostratic (n.) **ʔab(b)a* ~ **ʔap$^h$(p$^h$)a* 'father, forefather' (nursery word)

617. Proto-Nostratic root **ʔad-* (~ **ʔəd-*):
(vb.) **ʔad-* 'to be strong, mighty, powerful, exalted';
(n.) **ʔad-a* 'lord, master'; (adj.) 'strong, mighty, powerful, exalted'

618. Proto-Nostratic (n.) **ʔad$^y$-a* 'thorn'; (adj.) 'pointed, sharp, prickly'

619. Proto-Nostratic (n.) **ʔaħ-a* 'cow'

620. Proto-Nostratic root *ʔaħ- (~ *ʔəħ-):
(vb.) *ʔaħ- 'to be young, youthful, tender, fresh';
(n.) *ʔaħ-a 'a youth, young man, younger brother'; (adj.) 'young, tender'

621. Proto-Nostratic root *ʔak$^h$- (~ *ʔək$^h$-):
(vb.) *ʔak$^h$- 'to eat';
(n.) *ʔak$^h$-a 'food, meal; fodder, feed, morsel'

622. Proto-Nostratic root *ʔak$^h$- (~ *ʔək$^h$-):
(vb.) *ʔak$^h$- 'to be evil, wicked, bad; to hurt, to harm';
(n.) *ʔak$^h$-a 'evil, wickedness, harm'

623. Proto-Nostratic root *ʔak$^h$- (~ *ʔək$^h$-):
(vb.) *ʔak$^h$- 'to dig';
(n.) *ʔak$^h$-a 'that which is dug: digging, ditch, trench, hole; that which is used to dig: carving tool, chisel, cutter, gouge'

624. Proto-Nostratic (n.) *ʔak$^h$k$^h$a 'older female relative' (nursery word)
Note also:
(n.) *ʔak$^h$k$^h$a 'older male relative'

625. Proto-Nostratic (n.) *ʔak$^h$k$^h$a 'older male relative' (nursery word)
Note also:
(n.) *ʔak$^h$k$^h$a 'older female relative'

626. Proto-Nostratic root *ʔak$^{wh}$- (~ *ʔək$^{wh}$-):
(vb.) *ʔak$^{wh}$- 'to be hot, to burn; to warm oneself';
(n.) *ʔak$^{wh}$-a 'heat, fire'

627. Proto-Nostratic root *ʔal- (~ *ʔəl-):
(vb.) *ʔal- 'to purify, to cleanse' (> 'to sift, to clean grain' in the daughter languages);
(n.) *ʔal-a 'the act of washing, cleaning; that which is washed, cleaned'

Semantics as in Sanskrit *punā́ti* 'to make clean, clear, pure, or bright; to cleanse, to purify, to purge, to clarify; (with *sáktum*) to cleanse from chaff, to winnow; to sift, to discriminate, to discern', (passive) *pūyáte* 'to be cleaned, washed, or purified'; related to Old High German *fowen* 'to sift, to clean grain' and Latin *pūrus* 'clean, pure'.

628. Proto-Nostratic root *ʔal- (~ *ʔəl-) (perhaps also *ʔel-, *ʔul-):
(vb.) *ʔal- 'to be not so-and-so or such-and-such';
(n.) *ʔal-a 'nothing'

Originally a negative verb stem meaning ‘to be not so-and-so or such-and-such’ — later used in some branches as a negative particle.

629. Proto-Nostratic root *ʔam- (~ *ʔəm-):
(vb.) *ʔam- ‘to seize, to grasp, to take, to touch, to hold (closely or tightly)’;
(n.) *ʔam-a ‘grasp, hold, hand(ful)’; (adj.) ‘seized, grasped, touched, held, obtained’

630. Proto-Nostratic (n.) *ʔam-a ‘time, moment, point of time’; (particle) ‘now’

631. Proto-Nostratic (n.) *ʔam(m)a ‘mother’ (nursery word)
Note also:
(n.) *ʔema ‘older female relative; mother; (older) woman’

632. Proto-Nostratic root *ʔan- (~ *ʔən-):
(vb.) *ʔan- ‘to load up and go, to send off’;
(n.) *ʔan-a ‘load, burden’

633. Proto-Nostratic root *ʔan$^{y}$- (~ *ʔən$^{y}$-):
(vb.) *ʔan$^{y}$- ‘to be quiet, still, at peace, at rest’;
(n.) *ʔan$^{y}$-a ‘tranquility, peace, rest’; (adj.) ‘quiet, still, peaceful, restful’

634. Proto-Nostratic root *ʔan$^{y}$- (~ *ʔən$^{y}$-):
(vb.) *ʔan$^{y}$- ‘to draw near to, to approach, to come (close to)’;
(n.) *ʔan$^{y}$-a ‘nearness, proximity’
Derivative:
(particle) *ʔan$^{y}$-‘to, towards, over, for, against, upon, on’

635. Proto-Nostratic (particle) *ʔan$^{y}$-‘to, towards, over, for, against, upon, on’
Derivative of:
(vb.) *ʔan$^{y}$- ‘to draw near to, to approach, to come (close to)’;
(n.) *ʔan$^{y}$-a ‘nearness, proximity’

636. Proto-Nostratic (n.) *ʔan$^{y}$a ‘mother, aunt’ (nursery word)
Note also:
(n.) *ʔen$^{y}$a ‘mother, elder sister’

637. Proto-Nostratic root *ʔaŋ- (~ *ʔəŋ-):
(vb.) *ʔaŋ- ‘to divide, to separate’;
(n.) *ʔaŋ-a ‘separation, difference’; (adj.) ‘separate, different’

638. Proto-Nostratic (n.) *ʔaŋ(ŋ)a ‘(older) female relative’ (nursery word)

639. Proto-Nostratic (n.) *ʔaŋ(ŋ)a ‘(older) male relative’

640. Proto-Nostratic root *ʔap$^h$- (~ *ʔəp$^h$-):
(vb.) *ʔap$^h$- 'to be more, over, above, extra';
(n.) *ʔap$^h$-*a* 'that which is more, over, above, extra'; (adj.) 'many, more, extra, additional, numerous, teeming'
(particle) *ʔap$^h$- 'also, moreover, besides'

Note: The *CVC*- patterning shows that this stem could not originally have been a particle, though this is how it is preserved in the daughter languages. Though the original meaning is unknown, we may speculate that it may have been something like '(vb.) to be more, over, above, extra; (n.) that which is more, over, above, extra; (adj.) many, more, extra, additional, numerous, teeming'.

641. Proto-Nostratic root *ʔar- (~ *ʔər-):
(vb.) *ʔar- 'to cut (off, apart), to sever, to separate, to part asunder';
(n.) *ʔar-*a* 'half, side, part'; (adj.) 'severed, separated, parted, disjoined'

642. Proto-Nostratic (n.) *ʔar-*a* 'male, man, husband'

643. Proto-Nostratic (n.) *ʔar-*a* 'associated or related person or thing; associate, companion, friend; kinsman, relative'; (adj.) 'associated, related'

644. Proto-Nostratic root *ʔar- (~ *ʔər-) (used as the base for the designation of various horned animals):
(n.) *ʔar-*a* 'ram, goat, mountain-goat, chamois, ibex, gazelle, etc.'

645. Proto-Nostratic root *ʔas- (~ *ʔəs-):
(vb.) *ʔas- 'to gather, to collect';
(n.) *ʔas-*a* 'the act of gathering, collecting'

646. Proto-Nostratic root *ʔas$^y$- (~ *ʔəs$^y$-):
(vb.) *ʔas$^y$- 'to put, to place, to set; to sit, to be seated';
(n.) *ʔas$^y$-*a* 'place, seat'; (adj.) 'put, placed, set, established'

647. Proto-Nostratic (n.) *ʔat$^h$t$^h$*a* 'older male relative, father' (nursery word)

648. Proto-Nostratic (n.) *ʔat'$^y$*a* 'older relative (male or female)' (nursery word)

649. Proto-Nostratic coordinating conjunction *ʔaw-, *ʔwa- (~ *ʔwə-) 'or'

650. Proto-Nostratic root *ʔay- (~ *ʔəy-) (interrogative verb stem):
(vb.) *ʔay- 'to do what?, to act in what manner?'
Derivative:
Interrogative-relative pronoun stem *ʔay-, *ʔya- '(relative) who, which, what; (interrogative) who?, which?, what?'

651. Proto-Nostratic interrogative-relative pronoun stem *ʔ*ay*-, *ʔ*ya*- ‘(relative) who, which, what; (interrogative) who?, which?, what?’:
Derivative of:
(vb.) *ʔ*ay*- ‘to do what?, to act in what manner?’

652. Proto-Nostratic root *ʔ*ay*- (~ *ʔ*əy*-):
(vb.) *ʔ*ay*- ‘to go, to proceed’;
(n.) *ʔ*ay-a* ‘journey’
Note also:
(vb.) *ʔ*iy*- ‘to come, to go’;
(n.) *ʔ*iy-a* ‘approach, arrival; path, way’

653. Proto-Nostratic *ʔ*ay-a* ‘brain’:

654. Proto-Nostratic (n.) *ʔ*ay(y)a* ‘mother, female relative’ (nursery word)

655. Proto-Nostratic (n.) *ʔ*ay(y)a* ‘father, male relative’ (nursery word)

656. Proto-Nostratic negative particle *ʔ*e* ‘no, not’

657. Proto-Nostratic root *ʔ*eb*-:
(vb.) *ʔ*eb*- ‘to become weak, exhausted, wasted, debilitated, wiped out; to yield, to succumb; to go mad, to become insane, to lose one’s mind; to lose one’s way’;
(n.) *ʔ*eb-a* ‘weakness, exhaustion; madness, silliness, foolishness’; (adj.) ‘weakened, exhausted, debilitated, wiped out; mad, foolish, silly, half-witted’

658. Proto-Nostratic root (Eurasiatic only) *ʔ*ek*$^h$-:
(vb.) *ʔ*ek*$^h$- ‘to move quickly, to rage; to be furious, raging, violent, spirited, fiery, wild’;
(n.) *ʔ*ek*$^h$-a* ‘rapid or violent movement, fury, rage’

659. Proto-Nostratic root *ʔ*ek’*-:
(vb.) *ʔ*ek’*- ‘to diminish, to decrease, to reduce; to be insufficient, lacking, wanting; to be small, weak, lowly, ignoble, common, ordinary, plain, simple’;
(n.) *ʔ*ek’-a* ‘diminishment, reduction, decrease, loss; deficiency, want, need, lack’

660. Proto-Nostratic root *ʔ*el*-:
(vb.) *ʔ*el*- ‘to shine, to radiate, to glitter, to glisten’;
(n.) *ʔ*el-a* ‘luster, splendor, light’

661. Proto-Nostratic (Eurasiatic only) (n.) *ʔ*ema* ‘older female relative; mother; (older) woman’ (nursery word)
Note also:
(n.) *ʔ*am(m)a* ‘mother’

662. Proto-Nostratic (n.) *ʔ*en$^{y}$a* ‘mother, elder sister’ (nursery word)
Note also:
(n.) *ʔ*an$^{y}$a* ‘mother, aunt’

663. Proto-Nostratic root *ʔ*ep$^{h}$-*:
(vb.) *ʔ*ep$^{h}$-* ‘to burn, to be hot; to cook, to boil, to bake’;
(n.) *ʔ*ep$^{h}$-a* ‘the act of cooking, baking; oven’

664. Proto-Nostratic (n.) *ʔ*er-a* ‘earth, ground’

665. Proto-Nostratic root *ʔ*et$^{h}$-*:
(vb.) *ʔ*et$^{h}$-* ‘to oppose’;
(n.) *ʔ*et$^{h}$-a* ‘that which is opposite’

666. Proto-Nostratic root *ʔ*ib-* (~ *ʔ*eb-*):
(vb.) *ʔ*ib-* ‘to well up, to overflow, to spill over; to pour out or over’;
(n.) *ʔ*ib-a* ‘spill, overflow, flood, deluge’

667. Proto-Nostratic root *ʔ*il-* (~ *ʔ*el-*):
(vb.) *ʔ*il-* ‘to live, to be alive; to be, to exist’;
(n.) *ʔ*il-a* ‘dwelling, habitation, house’; (adj.) ‘living, alive, existing’

668. Proto-Nostratic (n.) *ʔ*il-a* (~ *ʔ*el-a*) ‘deer’

669. Proto-Nostratic root *ʔ*il-* (~ *ʔ*el-*):
(vb.) *ʔ*il-* ‘to see, to know’;
(n.) *ʔ*il-a* ‘eye’

670. Proto-Nostratic (n.) *ʔ*in-a* (~ *ʔ*en-a*) ‘place, location’ (> ‘in, within, into’ in the daughter languages)

671. Proto-Nostratic (n.) *ʔ*ina* or *ʔ*iŋa* ‘younger relative (male or female)’ (nursery word)

672. Proto-Nostratic root *ʔ*it’-* (~ *ʔ*et’-*):
(vb.) *ʔ*it’-* ‘to chew, to bite, to eat, to consume’;
(n.) *ʔ*it’-a* ‘the act of eating; that which is eaten: food, nourishment’

673. Proto-Nostratic root *ʔ*iy*- (~ *ʔ*ey*-):
(vb.) *ʔ*iy*- 'to come, to go';
(n.) *ʔ*iy-a* 'approach, arrival; path, way'
Note also:
(vb.) *ʔ*ay*- 'to go, to proceed';
(n.) *ʔ*ay-a* 'journey'

674. Proto-Nostratic 1st person personal pronoun stem *ʔ*iya*: (a) 'by me'; (b) agent marker of the 1st singular of verbs; (c) postnominal possessive pronoun: 'my'

675. Proto-Nostratic (n.) *ʔ*om-a* 'rounded prominence at the end of a bone forming a ball and socket joint with the hollow part of another bone, condyle (of the lower jaw, the shoulder, the elbow, the hip, etc.)'

Note: Semantic shifts took place in Semitic, Indo-European, and, in part, Altaic; the original meaning was preserved in Egyptian and Turkic.

676. Proto-Nostratic root *ʔ*or*-:
(vb.) *ʔ*or*- 'to move rapidly, quickly, hastily; to set in motion';
(n.) *ʔ*or-a* 'any rapid motion: running, flowing, pouring, etc.'; (adj.) 'rapid, quick, hasty'

677. Proto-Nostratic root *ʔ*or*$^{y}$-:
(vb.) *ʔ*or*$^{y}$- 'to rise (up)';
(n.) *ʔ*or*$^{y}$-a* 'rising movement or motion'
Extended form:
(vb.) *ʔ*or*$^{y}$-V-g*- 'to climb on, to mount, to copulate (with)';
(n.) *ʔ*or*$^{y}$-g-a* 'mounting, copulation'

678. Proto-Nostratic root *ʔ*or*$^{y}$-:
Extended form:
(vb.) *ʔ*or*$^{y}$-V-g*- 'to climb on, to mount, to copulate (with)';
(n.) *ʔ*or*$^{y}$-g-a* 'mounting, copulation'
Derivative of:
(vb.) *ʔ*or*$^{y}$- 'to rise (up)';
(n.) *ʔ*or*$^{y}$-a* 'rising movement or motion'

679. Proto-Nostratic root *ʔ*ot'*-:
(vb.) *ʔ*ot'*- 'to move to or toward; to move away from; to move out of the way, to step aside';
(n.) *ʔ*ot'-a* 'movement to or toward; movement away from; step, track'

680. Proto-Nostratic root *ʔ*ow*-:
Extended form:
(vb.) *ʔ*ow-V-ħ-* ‘to hatch eggs’;
(n.)*ʔ*ow-ħ-a* ‘egg’

Dolgopolsky has proposed a very attractive etymology here. However, it must be noted that Arabic *ʔāḥ* ‘eggwhite, albumen’ is isolated within Semitic. Moreover, even though the Proto-Indo-European form is traditionally reconstructed as **ōu̯i̯om* ‘egg’, no single reconstruction can account for all of the forms found in the Indo-European daughter languages. Accordingly, there are difficulties with this etymology. If this is a valid etymology, it would imply that the Proto-Indo-European form is to be reconstructed as **ə̯₁ou̯ə̯₂i̯om* ‘egg’, with short vowel in the first syllable and a laryngeal (**ə̯₂* [= **ħ͡h*]) between **u̯* and **i̯* (the long vowel found in the first syllable of the forms attested in several of the Indo-European daughter languages would then be due to compensatory lengthening following the loss of this laryngeal). There may have been a non-apophonic **o* (original, or inherited, **o*) in the first syllable, in which case the Proto-Nostratic form would have been **ʔow-ħ-*. Reconstructing a medial laryngeal (**ə̯₂* [= **ħ͡h*]) would also account for the Germanic developments. **ʔowħ͡h-yo-m* (traditional **ə̯₁ou̯ə̯₂i̯om*) ‘egg’ cannot, as is often assumed, be a derivative of the common Proto-Indo-European word for ‘bird’, which requires an initial *a*-coloring laryngeal (preserved in Armenian): **Aéw-i-s* [**Aáw-i-s*], **Aw-éy-s* > Armenian *hav* ‘bird, hen, chicken’; Latin *avis* ‘a bird’; Umbrian (acc.) *avif* ‘bird’; Sanskrit (nom. sg.) *ví-ḥ*, (Rigveda) *vé-ḥ* ‘a bird’; etc.

681. Proto-Nostratic root *ʔ*oy*-:
(vb.) *ʔ*oy-* ‘to be by oneself, to be alone’;
(n.) *ʔ*oy-a* ‘solitude, aloneness’; (adj.) ‘single, alone; one’

682. Proto-Nostratic (n.) *ʔ*ul-a* ‘the bottom or lowest part of anything; the sole of the foot; soil, earth, ground, land’

Semantics as in Latin *sŏlum* ‘the bottom or lowest part of anything; the sole of the foot; soil, earth, ground, land’ (cf. Buck 1949:1.212).

683. Proto-Nostratic deictic stem indicating distance farthest away from the speaker *ʔ*ul-* (~ *ʔ*ol-*) ‘that over there, that yonder’

684. Proto-Nostratic root *ʔ*um-* (~ *ʔ*om-*):
(vb.) *ʔ*um-* ‘to bear, to give birth’;
(n.) *ʔ*um-a* ‘offspring, descendant’

685. Proto-Nostratic root *ʔ*up$^h$-* (onomatopoeic):
(vb.) *ʔ*up$^h$-* ‘to blow’;
(n.) *ʔ*up$^h$-a* ‘puff of air, breath’

686. Proto-Nostratic root *ʔ*ut'*- (~ *ʔ*ot'*-):
(vb.) *ʔ*ut'*- 'to stretch, to lengthen';
(n.) *ʔ*ut'-a* 'wide-open space, outdoor area, exterior; length, distance'; (adj.) 'wide, broad, long'

# CHAPTER 34

## PROTO-NOSTRATIC *h

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| h- | h- | Ø- | Ø- | h- | Ø- | Ø- | Ø- |
| -h- | -h- | -Ø- | -Ø- | -h- | -Ø- | -Ø- | -Ø- |

687. Proto-Nostratic root **hag-* (~ **həg-*):
(vb.) **hag-* 'to burn, to be on fire, to be aflame, to be ablaze, to shine brightly';
(n.) **hag-a* 'midday heat, heat of sun, sunlight'

688. Proto-Nostratic root **hak$^h$-* (~ **hək$^h$-*):
(vb.) **hak$^h$-* 'to be sluggish, slow; to do or approach something gradually, slowly, step by step'; (adv.) 'slowly, gradually';
(n.) **hak$^h$-a* 'slowness, gradualness, sluggishness'

689. Proto-Nostratic root **hak'-* (~ **hək'-*):
(vb.) **hak'-* 'to press, squeeze, pack, or cram together; to confine, to oppress';
(n.) **hak'-a* 'oppression, affliction, pain'

690. Proto-Nostratic root **hal-* (~ **həl-*):
(vb.) **hal-* 'to light up, to beam forth, to shine, to brighten up, to radiate';
(n.) **hal-a* 'clearness, brightness, radiance, purity'; (adj.) 'clear, pure, bright, shining, radiant'

691. Proto-Nostratic root **hal-* (~ **həl-*):
(adv.) **hal-* 'else, otherwise';
(n.) **hal-a* 'other side'; (adj.) 'other'

692. Proto-Nostratic (n.) **ham-a* 'blackness; black object'; (adj.) 'black'

693. Proto-Nostratic (n.) **ham-a* 'water'

694. Proto-Nostratic root **ham-* (~ **həm-*):
(vb.) **ham-* 'to take into the mouth, to eat';
(n.) **ham-a* 'mouth'

695. Proto-Nostratic root **haŋ-* (~ **həŋ-*):
(vb.) **haŋ-* 'to split apart, to open (tr.); to gape, to open the mouth, to yawn';
(n.) **haŋ-a* 'opening: yawn, gape, mouth; hole; crack, crevice'

696. Proto-Nostratic root *$hap^h$- (~ *$həp^h$-):
(vb.) *$hap^h$- ‘to turn, to turn away, to turn back’;
(n.) *$hap^h$-*a* ‘the act of turning away, turning back, overturning’; (adj.) ‘turned away from, turned back, overturned’

697. Proto-Nostratic root **haw*- (~ **həw*-):
(vb.) **haw*- ‘to long for, to desire’;
(n.) **haw*-*a* ‘desire’

698. Proto-Nostratic (n.) **hay*-*a* ‘a kind of cereal or grain’

699. Proto-Nostratic exclamation of surprise, astonishment, grief, or misfortune **hay*

700. Proto-Nostratic (n.) **hay*-*a* ‘metal, ore’

701. Proto-Nostratic root **her*- and/or **hor*-:
(vb.) **her*- and/or **hor*- ‘to escape, to flee, to run away’;
(n.) **her*-*a* and/or **hor*-*a* ‘escape, flight’; (adj.) ‘escaped, liberated, freed’

# CHAPTER 35

## PROTO-NOSTRATIC *ħ

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| ħ- | ħ- | Ø- | x- | ħ͡h- | Ø- | Ø- | Ø- |
| -ħ- | -ħ- | -Ø- | -x- | -ħ͡h- | -Ø- | -Ø- | -Ø- |

702. Proto-Nostratic root **ħac'*- (~ **ħəc'*-):
(vb.) **ħac'*- 'to pick, to pluck';
(n.) **ħac'-a* 'the act of picking, plucking'; (adj.) 'picked, plucked'

703. Proto-Nostratic root **ħag*- (~ **ħəg*-):
(vb.) **ħag*- 'to be pressed or weighed down; to be oppressed; to be vexed, distressed, disheartened, afflicted, troubled';
(n.) **ħag-a* 'trouble, affliction, oppression, distress, grief, sadness'

704. Proto-Nostratic root **ħag*- (~ **ħəg*-):
(vb.) **ħag*- 'to cover over, to hide, to conceal, to obscure, to overshadow';
(n.) **ħag-a* 'mist, darkness, cloudy weather'; (adj.) 'misty, dark, cloudy'

705. Proto-Nostratic root **ħak$^h$*- (~ **ħək$^h$*-):
(vb.) **ħak$^h$*- 'to be mentally sharp, keen';
(n.) **ħak$^h$-a* 'wisdom, sound judgment, understanding'

706. Proto-Nostratic root **ħak'*- (~ **ħək'*-):
(vb.) **ħak'*- 'to spread, to widen, to extend';
(n.) **ħak'-a* 'expanse, wide-open space, earth, field'

707. Proto-Nostratic root **ħak'*- (~ **ħək'*-):
(vb.) **ħak'*- 'to direct, to guide, to command';
(n.) **ħak'-a* 'direction, guidance, command, decree; leader, chief, chieftain, ruler, headman'

708. Proto-Nostratic root **ħal*- (~ **ħəl*-):
(vb.) **ħal*- 'to lay waste, to destroy, to kill, to slaughter';
(n.) **ħal-a* 'destruction, violence, killing, slaughter'
Note also:
(vb.) **xal*- 'to wear down, to wear out, to weaken; to be worn out, worn down, weakened';
(n.) **xal-a* 'weakness, exhaustion, fatigue, weariness'; (adj.) 'weak, worn out, tired, exhausted, weary'

709. Proto-Nostratic root *ħal- (~ *ħəl-):
(vb.) *ħal- 'to wash, to rinse, to clean';
(n.) *ħal-a 'the act of washing, cleaning'; (adj.) 'washed, clean(ed)'

710. Proto-Nostratic root *ħal- (~ *ħəl-):
(vb.) *ħal- 'to lower';
(n.) *ħal-a 'that which is beneath or under; lower part, underpart'; (adj.) 'lower'

711. Proto-Nostratic root *ħal$^{y}$- (~ *ħəl$^{y}$-):
(vb.) *ħal$^{y}$- 'to grow, to be strong';
(n.) *ħal$^{y}$-a 'health, strength, power'; (adj.) 'healthy, strong, powerful; grown, great, large'

712. Proto-Nostratic (n.) *ħal$^{y}$-a 'hole, hollow, cavity'

713. Proto-Nostratic root *ħam- (~ *ħəm-):
(vb.) *ħam- 'to be sharp, sour, bitter, acrid';
(n.) *ħam-a 'any sharp-tasting, sour, bitter, or acrid foodstuff'; (adj.) 'sharp, sour, bitter, acrid'

714. Proto-Nostratic root *ħam- (~ *ħəm-):
(vb.) *ħam- 'to become still, quiet, tranquil; to rest, to settle down, to remain, to abide';
(n.) *ħam-a 'abode, resting place; stillness, tranquility'; (adj.) 'seated, settled'

715. Proto-Nostratic root *ħan- (~ *ħən-):
(vb.) *ħan- 'to show favor; to be gracious, affectionate, tender';
(n.) *ħan-a 'affection, tenderness, favor, graciousness'

716. Proto-Nostratic root *ħan- (~ *ħən-):
(vb.) *ħan- 'to bend, to curve, to twist';
(n.) *ħan-a 'bend, curve, twist'

717. Proto-Nostratic root *ħan- (~ *ħən-):
Extended form:
(vb.) *ħan-V-g- 'to tie tightly, to constrict, to make narrow; to choke, to strangle';
(n.) *ħan-g-a 'throat'; (adj.) 'narrow, constricted'

718. Proto-Nostratic root *ħaŋ- (~ *ħəŋ-):
(vb.) *ħaŋ- 'to dive into water (bird)';
(n.) *ħaŋ-a 'an aquatic bird'

719. Proto-Nostratic root *ħap$^h$- (~ *ħəp$^h$-):
(vb.) *ħap$^h$- 'to take, gather, or collect (with the hands or arms)';
(n.) *ħap$^h$-*a* 'that which has been gathered or collected: plenty, fullness, abundance, wealth, possessions, property; embrace, armful, handful'

720. Proto-Nostratic root *ħap$^h$- (~ *ħəp$^h$-):
(vb.) *ħap$^h$- 'to move quickly, to run, to flow';
(n.) *ħap$^h$-*a* '(flowing or running) water, river, stream, current'

721. Proto-Nostratic root *ħar- (~ *ħər-):
(vb.) *ħar- 'to prepare, to make ready, to put together';
(n.) *ħar-*a* 'way, manner, method'

722. Proto-Nostratic (n.) *ħar-*a* 'arm, hand'

723. Proto-Nostratic root *ħar- (~ *ħər-):
(vb.) *ħar- 'to be superior, to be higher in status or rank, to be above or over';
(n.) *ħar-*a* 'nobleman, master, chief, superior'; (adj.) 'free-born, noble'

724. Proto-Nostratic root *ħar- (~ *ħər-):
(vb.) *ħar- 'to scratch, to scrape' (> 'to plow' in the daughter languages);
(n.) *ħar-*a* 'scraping, scratching'

725. Proto-Nostratic *ħar$^y$-: (1) particle introducing an alternative: 'or', (2) conjoining particle: 'with, and', (3) inferential particle: 'then, therefore'

Note: The *CVC*- patterning shows that this stem could not originally have been a particle, though this is how it is preserved in the daughter languages. The original meaning is unknown.

726. Proto-Nostratic root *ħas- (~ *ħəs-):
(vb.) *ħas- 'to burn, to be hot';
(n.) *ħas-*a* 'cinder, ember, ashes; heat'

727. Proto-Nostratic root *ħas$^y$- (~ *ħəs$^y$-) (used to designate various tree names):
(n.) *ħas$^y$-*a* 'a tree and its fruit'

728. Proto-Nostratic root *ħat'- (~ *ħət'-):
(vb.) *ħat'- 'to shake, to tremble; to be shaken, startled, frightened, terrified, afraid';
(n.) *ħat'-*a* 'trembling, shaking'
Note also:
(vb.) *ħut'- 'to shake, to shiver, to tremble';
(n.) *ħut'-*a* 'trembling, shaking'; (adj.) 'shaking, shivering, trembling'

729. Proto-Nostratic (n.) **ħaw-a* ‘a relative on the mother’s side’

730. Proto-Nostratic root **ħaw-* (~ **ħəw-*):
(vb.) **ħaw-* ‘to surge up, to overflow, to rain’;
(n.) **ħaw-a* ‘torrential rain, torrent, deluge’
Probably related to:
(vb.) **ħaw-* ‘to swell, to increase’;
(n.) **ħaw-a* ‘swelling, increase, growth; great number or amount’

731. Proto-Nostratic root **ħaw-* (~ **ħəw-*):
(vb.) **ħaw-* ‘to swell, to increase’;
(n.) **ħaw-a* ‘swelling, increase, growth; great number or amount’
Probably related to:
(vb.) **ħaw-* ‘to surge up, to overflow, to rain’;
(n.) **ħaw-a* ‘torrential rain, torrent, deluge’

732. Proto-Nostratic root **ħaw-* (~ **ħəw-*):
(vb.) **ħaw-* ‘to weave, to braid, to plait, to twist, to turn’;
(n.) **ħaw-a* ‘the act of weaving, braiding, plaiting’

733. Proto-Nostratic root **ħay-* (~ **ħəy-*):
(vb.) **ħay-* ‘to live, to be alive’;
(n.) **ħay-a* ‘life, age’
Extended form:
(vb.) **ħay-V-w-* ‘to live, to be alive’;
(n.) **ħay-w-a* ‘life, age’

734. Proto-Nostratic root **ħay-* (~ **ħəy-*):
Extended form:
(vb.) **ħay-V-t’-* ‘to swell, to be fat’;
(n.) **ħay-t’-a* ‘a swelling, fat’; (adj.) ‘fat, swollen’

735. Proto-Nostratic root **ħaʒ-* (~ **ħəʒ-*):
(vb.) **ħaʒ-* ‘to cut into, to carve, to notch’;
(n.) **ħaʒ-a* ‘that which is cut: incision, notch, nick; that which cuts: saw, chisel, axe, hatchet’

736. Proto-Nostratic root **ħin-* (~ **ħen-*):
Extended form:
(vb.) **ħin-V-k$^h$-* ‘to reach, to come to, to arrive at, to gain; to offer, to present’;
(n.) **ħin-k$^h$-a* ‘gain, mastery, experience; offering, present’

737. Proto-Nostratic root *ħiw- (~ *ħew-), *ħiy- (~ *ħey-):
(vb.) *ħiw-, *ħiy- 'to lack, to stand in need, to be in want';
(n.) *ħiw-a, *ħiy-a 'need, want, lack, deficiency'

738. Proto-Nostratic (Eurasiatic only) (n.) *ħok$^h$-a 'sharp point'

739. Proto-Nostratic root *ħok'-:
(vb.) *ħok'- 'to scrape, to scratch';
(n.) *ħok'-a 'scraping, scratching'

740. Proto-Nostratic root *ħon-:
(vb.) *ħon- 'to swell, to grow, to rise';
(n.) *ħon-a 'height, elevation, swelling'

741. Proto-Nostratic root *ħul- (~ *ħol-):
(vb.) *ħul- 'to destroy, to lay waste, to cause to perish';
(n.) *ħul-a 'ruin, destruction; end, death'

742. Proto-Nostratic (n.) *ħur-a (and/or *ħer-a ?) 'hawk-like bird: falcon, hawk, eagle, kite'

743. Proto-Nostratic root *ħur- (~ *ħor-):
(vb.) *ħur- 'to pound, to grind, to crush, to waste away or wear down by rubbing';
(n.) *ħur-a 'pestle, mortar'

744. Proto-Nostratic root *ħut'- (~ *ħot'-):
(vb.) *ħut'- 'to shake, to shiver, to tremble';
(n.) *ħut'-a 'trembling, shaking'; (adj.) 'shaking, shivering, trembling'
Note also:
(vb.) *ħat'- 'to shake, to tremble; to be shaken, startled, frightened, terrified, afraid';
(n.) *ħat'-a 'trembling, shaking'

# CHAPTER 36

## PROTO-NOSTRATIC * ʕ

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| ʕ- | ʕ- | Ø- | Ø- | ʕ͡ɦ- | Ø- | Ø- | Ø- |
| -ʕ- | -ʕ- | -Ø- | -Ø- | -ʕ͡ɦ- | -Ø- | -Ø- | -Ø- |

745. Proto-Nostratic root *ʕ*ag*- (~ *ʕ*əg*-):
(vb.) *ʕ*ag*- ‘to bud, to sprout, to grow’;
(n.) *ʕ*ag-a* ‘outgrowth, bud, sprout, protuberance’

746. Proto-Nostratic root *ʕ*ak*$^h$- (~ *ʕ*ək*$^h$-):
(vb.) *ʕ*ak*$^h$- ‘to beat, to strike, to break’;
(n.) *ʕ*ak*$^h$-a* ‘the act of beating, striking, breaking’

747. Proto-Nostratic root *ʕ*al*- (~ *ʕ*əl*-):
(vb.) *ʕ*al*- ‘to be high, tall, elevated, exalted; to rise high; to ascend’;
(n.) *ʕ*al-a* ‘highest point: peak, summit, mountain’;
(particle) *ʕ*al*- ‘on, upon, on top of, over, above, beyond’

748. Proto-Nostratic root *ʕ*al*- (~ *ʕ*əl*-):
(vb.) *ʕ*al*- ‘to make a fire, to light a fire, to ignite, to kindle, to burn’;
(n.) *ʕ*al-a* ‘fire, torch’

749. Proto-Nostratic root *ʕ*am*- (~ *ʕ*əm*-):
(vb.) *ʕ*am*- ‘to sink, to dip, to plunge’;
(n.) *ʕ*am-a* ‘deep place, valley’; (adj.) ‘sunken, deep’

750. Proto-Nostratic root *ʕ*am*- (~ *ʕ*əm*-):
(vb.) *ʕ*am*- ‘to lift, to raise, to make high’;
(n.) *ʕ*am-a* ‘highest point, tip, top’
Extended form (Semitic and Indo-European):
(vb.) *ʕ*am-V-d*- ‘to lift, to raise, to make high’;
(n.) ʕ*am-d-a* ‘highest point, tip, top’

751. Proto-Nostratic root *ʕ*am*- (~ *ʕ*əm*-):
(vb.) *ʕ*am*- ‘to shoot, to hurl, to throw’;
(n.) *ʕ*am-a* ‘arrow’

752. Proto-Nostratic root *ʕ*an*- (~ *ʕ*ən*-):
(vb.) *ʕ*an*- ‘to breathe, to respire, to live’;
(n.) *ʕ*an-a* ‘life, breath’

753. Proto-Nostratic (n.) *ʕ*aŋ-a* ‘upper part’; (particle) *ʕ*aŋ*- ‘up, above’

754. Proto-Nostratic root *ʕ*ap’*- (~ *ʕ*əp’*-):
(vb.) *ʕ*ap’*- ‘to grasp, to seize, to take hold of, to take by force’;
(n.) *ʕ*ap’-a* ‘grasp, hold, seizure’

755. Proto-Nostratic (n.) *ʕ*ar-a* ‘back, rear; hindquarters, behind’

756. Proto-Nostratic root *ʕ*ar*- (~ *ʕ*ər*-):
Extended form:
(vb.) *ʕ*ar-V-g*- ‘to climb on, to mount; to rise, to ascend; to lift up, to raise’;
(n.) *ʕ*ar-g-a* ‘climbing, mounting’

757. Proto-Nostratic root *ʕ*at*$^h$- (~ *ʕ*ət*$^h$-):
(vb.) *ʕ*at*$^h$- ‘to move, to proceed, to advance (in years)’;
(n.) *ʕ*at*$^h$-a* ‘maturity, old age; advance’; (adj.) ‘mature, old; advanced’

758. Proto-Nostratic root *ʕ*en*-:
(vb.) *ʕ*en*- ‘to see, to notice, to pay attention’;
(n.) *ʕ*en-a* ‘sight, view, attention’

759. Proto-Nostratic root *ʕ*eŋ*-:
(vb.) *ʕ*eŋ*- ‘to think, to consider’;
(n.) *ʕ*eŋ-a* ‘thought, idea, notion, concept, intention, deliberation’

760. Proto-Nostratic root *ʕ*ey*-:
(vb.) *ʕ*ey*- ‘to know, to recognize’;
(n.) *ʕ*ey-a* ‘sight, recognition’; (adj.) ‘known, seen, recognized’

761. Proto-Nostratic (n.) *ʕ*ig-a* ‘young of an animal, calf’

762. Proto-Nostratic root *ʕ*im*- (~ *ʕ*em*-):
(vb.) *ʕ*im*- ‘to suck, to swallow’;
(n.) *ʕ*im-a* ‘the act of sucking, swallowing; breast, nipple, teat’

763. Proto-Nostratic root *ʕ*or*$^y$-:
(vb.) *ʕ*or*$^y$- ‘to turn or twist round’;
(n.) *ʕ*or*$^y$-a* ‘turning, twisting; binding, tying; sewing, weaving’

764. Proto-Nostratic (n.) *ʕ*ub-a* ‘bosom, breast’

765. Proto-Nostratic root *ʕun$^{y}$- (~ *ʕon$^{y}$-):
(vb.) *ʕun$^{y}$- 'to eat, to drink, to swallow; to feed (on), to suck (milk from a breast)';
(n.) *ʕun$^{y}$-*a* 'food, meal'

766. Proto-Nostratic root *ʕur- (~ *ʕor-):
(vb.) *ʕur- 'to be firm, hard, strong';
(n.) *ʕur-*a* 'firmness, hardness, strength'; (adj.) 'firm, hard, strong'

767. Proto-Nostratic root *ʕut'- (~ *ʕot'-):
(vb.) *ʕut'- 'to smell';
(n.) *ʕut'-*a* 'smell, odor, fragrance'

768. Proto-Nostratic (n.) *ʕuw-*a* (~ *ʕow-*a*) 'herd of small animals, sheep and goats'

# CHAPTER 37

## PROTO-NOSTRATIC *x

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| x- | x- | Ø- | x- | ħ͡h- | Ø- | Ø- | Ø- |
| -x- | -x- | -Ø- | -x- | -ħ͡h- | -x- | -Ø- | -Ø- |

769. Proto-Nostratic root **xal-* (~ **xəl-*):
(vb.) **xal-* 'to wear down, to wear out, to weaken; to be worn out, worn down, weakened';
(n.) **xal-a* 'weakness, exhaustion, fatigue, weariness'; (adj.) 'weak, worn out, tired, exhausted, weary'
Note also:
(vb.) **ħal-* 'to lay waste, to destroy, to kill, to slaughter';
(n.) **ħal-a* 'destruction, violence, killing, slaughter'

770. Proto-Nostratic root **xal-* (~ **xəl-*):
(vb.) **xal-* 'to divide, to allot, to apportion, to enumerate, to count';
(n.) **xal-a* 'division, allotment, portion, share; measurement, calculation, number'

771. Proto-Nostratic root **xam-* (~ **xəm-*):
(vb.) **xam-* 'to be wild, fierce, brave, strong, manly';
(n.) **xam-a* 'a male (human or animal)'
Extended form (Dravidian and Indo-European):
(vb.) **xam-V-d-* 'to be wild, fierce, brave, strong, manly';
(n.) **xam-d-a* 'a male (human or animal)' (**xam-d-* > **xan-d-*)

772. Proto-Nostratic root **xan-* (~ **xən-*):
(vb.) **xan-* 'to sprout, to floursh, to bloom';
(n.) **xan-a* 'sprout, bloom, blossom'

773. Proto-Nostratic root **xaŋ-* (~ **xəŋ-*):
(vb.) **xaŋ-* 'to lift, to raise; to rise, to go upward, to ascend';
(n.) **xaŋ-a* 'that which is most prominent, foremost, visible, or noticeable';
(particle) **xaŋ-* 'on top of, over, above'
Extended form:
(n.) **xaŋ-t$^h$-a* 'the most prominent or foremost (person or thing), front, front part'

774. Proto-Nostratic root **xaŋ-* (~ **xəŋ-*):
Extended form:
(n.) **xaŋ-tʰ-a* ‘the most prominent or foremost (person or thing), front, front part’
Derivative of:
(vb.) **xaŋ-* ‘to lift, to raise; to rise, to go upward, to ascend’;
(n.) **xaŋ-a* ‘that which is most prominent, foremost, visible, or noticeable’;
(particle) **xaŋ-* ‘on top of, over, above’

775. Proto-Nostratic root **xat’-* (~ **xət’-*):
(vb.) **xat’-* ‘to cut into, to hollow out, to engrave, to prick, to pierce’;
(n.) **xat’-a* ‘slice, carving, engraving, engraved line, incision’

776. Proto-Nostratic root **xol-*:
(vb.) **xol-* ‘to be separated or apart from, by oneself, alone; to set apart’;
(n.) **xol-a* ‘solitude, seclusion, loneliness’; (adj.) ‘alone, lonely’

# CHAPTER 38

## PROTO-NOSTRATIC *$x^w$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| $x^w$- | $x^w$- | v-/Ø- | xw/u- | ħ͡h$^w$- | w- | | v- |
| -$x^w$- | -$x^w$- | -v- | -xw/u- | -ħ͡h$^w$- | -x- | | -v- |

777. Proto-Nostratic root *$x^w$*al*- (~ *$x^w$*əl*-):
(vb.) *$x^w$*al*- ‘to pull (off, out), to tear (off, out)’;
(n.) *$x^w$*al-a* ‘the act of pulling or tearing (off, out)’

778. Proto-Nostratic root *$x^w$*at’*- (~ *$x^w$*ət’*-):
(vb.) *$x^w$*at’*- ‘to scratch, to scrape’;
(n.) *$x^w$*at’-a* ‘the act of scratching, scraping’

779. Proto-Nostratic root *$x^w$*at’*- (~ *$x^w$*ət’*-):
(vb.) *$x^w$*at’*- ‘to chatter, to speak’;
(n.) *$x^w$*at’-a* ‘chatter, talk’

780. Proto-Nostratic root *$x^w$*el$^y$*-:
(vb.) *$x^w$*el$^y$*- ‘to gulp down’;
(n.) *$x^w$*el$^y$-a* ‘neck, throat’

781. Proto-Nostratic root *$x^w$*ir*- (~ *$x^w$*er*-):
(vb.) *$x^w$*ir*- ‘to make a loud noise, to make a shrill sound’;
(n.) *$x^w$*ir-a* ‘loud noise’

# CHAPTER 39

## PROTO-NOSTRATIC *γ

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| γ- | γ- | Ø- | γ- | ʕ͡ɦ- | Ø- | Ø- | Ø- |
| -γ- | -γ- | -Ø- | -γ- | -ʕ͡ɦ- | -Ø- | -Ø- | -Ø- |

782. Proto-Nostratic root *γ*am-* (~ *γəm-*):
(vb.) *γam-* ‘to be or become dark; to cover, to hide’;
(n.) *γam-a* ‘darkness; sunset, evening’

783. Proto-Nostratic root *γil-* (~ *γel-*):
(vb.) *γil-* ‘to bear, to give birth, to beget (of humans)’;
(n.) *γil-a* ‘child, youth, young person’; (adj.) ‘young, immature’

784. Proto-Nostratic root *γor-*:
(vb.) *γor-* ‘to leave, to go away, to depart; to separate; to abandon’;
(n.) *γor-a* ‘leaving, departure; separation; abandonment’
Extended form:
(vb.) *γor-V-b-* ‘to leave, to go away, to depart; to separate; to abandon’;
(n.) *γor-b-a* ‘leaving, departure; separation; abandonment’

# CHAPTER 40

## PROTO-NOSTRATIC *y

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| y- | y- | y-/Ø- | y-/Ø- | y- | y- | | y- |
| -y- | -y- | -y- | | -y- | -y- | -y- | -y- |

785. Proto-Nostratic root **yaʔ-* (~ **yəʔ-*):
(vb.) **yaʔ-* 'to tie, to bind, to gird';
(n.) **yaʔ-a* 'binding, bond, bandage; belt, girdle'

786. Proto-Nostratic (n.) **yam-a* 'water, sea'

787. Proto-Nostratic root **yan-* (~ **yən-*):
(vb.) **yan-* 'to say, to speak';
(n.) **yan-a* 'saying, word, expression'

788. Proto-Nostratic root **yaw-* (~ **yəw-*):
(vb.) **yaw-* 'to produce young';
(n.) **yaw-a* 'youth, young person, child'; (adj.) 'young'

789. Proto-Nostratic (Eurasiatic only) (n.) **yiw-a* (~ **yew-a*) 'grain'

790. Proto-Nostratic (n.) **yor-a* 'set of two, group of two; a pair of …' (> 'two')

# CHAPTER 41

## PROTO-NOSTRATIC *w

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| w- | w- | v-/Ø- | w- | w- | w- | | v- |
| -w- | -w- | -v- | -w- | -w- | -w- | | -v- |

791. Proto-Nostratic 1st person personal pronoun stem **wa-* (~ **wə-*) ‘I, me; we us’

792. Proto-Nostratic sentence particle **wa-* (~ **wə-*) ‘and, also, but; like, as’

793. Proto-Nostratic root **waʕ-* (~ **wəʕ-*):
(vb.) **waʕ-* ‘to call, to cry out, to shout’;
(n.) **waʕ-a* ‘cry, howl, clamor, shout, noise’

794. Proto-Nostratic root **wad-* (~ **wəd-*):
(vb.) **wad-* ‘to take, to lead, to carry, to bring’;
(n.) **wad-a* ‘the act of taking, leading, carrying, bringing’

795. Proto-Nostratic root **waħ-* (~ **wəħ-*):
(vb.) **waħ-* ‘to strike, to stab, to wound’;
(n.) **waħ-a* ‘wound, scar; knife, sword, blade, spear(head)’

796. Proto-Nostratic root **wak’-* (~ **wək’-*):
(vb.) **wak’-* ‘to rouse, to stir up, to excite’;
(n.) **wak’-a* ‘energy, vigor, strength, power, might’

797. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to be or become strong’;
(n.) **wal-a* ‘strength, power’

798. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to pull (out)’;
(n.) **wal-a* ‘pulling, dragging’

799. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to cry out, to call out, to shout’;
(n.) **wal-a* ‘sound, noise, cry, wail, lamentation, howl, hubbub’

800. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to go, to go away, to depart’;
(n.) **wal-a* ‘departure, flight, escape’

801. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to flow, to wet, to moisten’;
(n.) **wal-a* ‘flow, trickle; wetness, moisture, dampness’; (adj.) ‘wet, damp’

802. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to set fire to, to burn, to heat up, to warm’;
(n.) **wal-a* ‘heat, warmth, boiling’

803. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to crush, to grind, to wear out; to rub, to press; to be worn out, weak; to fade, to wither, to waste away’;
(n.) **wal-a* ‘distress, pain, difficulty; weakness, hunger, starvation’

804. Proto-Nostratic root **wal$^y$-* (~ **wəl$^y$-*):
(vb.) **wal$^y$-* ‘to turn, to roll, to revolve’;
(n.) **wal$^y$-a* ‘circle, circumference; turn, rotation’; (adj.) ‘round’

805. Proto-Nostratic root **wal$^y$-* (~ **wəl$^y$-*):
(vb.) **wal$^y$-* ‘to blaze, to shine, to be bright’;
(n.) **wal$^y$-a* ‘whiteness, glitter, luster, brightness, light’; (adj.) ‘shining, bright, white’

806. Proto-Nostratic root **wam-* (~ **wəm-*):
(vb.) **wam-* ‘to eject, to spit out, to spit up’;
(n.) **wam-a* ‘spittle, vomit’

807. Proto-Nostratic root **wan-* (~ **wən-*):
(vb.) **wan-* ‘to stay, to remain’;
(n.) **wan-a* ‘abode, dwelling’

808. Proto-Nostratic (n.) **wan-a* ‘share, portion, period (of time)’

809. Proto-Nostratic (n.) **wan-a* ‘first, first-born, eldest’

810. Proto-Nostratic root **wan-* (~ **wən-*):
(vb.) **wan-* ‘to bend’;
(n.) **wan-a* ‘bend, curve’; (adj.) ‘crooked, bent, curved’

811. Proto-Nostratic root **waŋ-* (~ **wəŋ-*):
(vb.) **waŋ-* ‘to strike, to stab, to wound, to cut’;
(n.) **waŋ-a* ‘cut, slash, gash, wound; harm, injury; dagger, knife’

812. Proto-Nostratic (n.) **war-a* ‘man, male, male animal’

813. Proto-Nostratic root **war*- (~ **wər*-):
(vb.) **war*- 'to look, to watch out for, to observe, to care for';
(n.) **war-a* 'watch, vigil, guardianship, care; watchman, guard, keeper, warder'

814. Proto-Nostratic root **war*- (~ **wər*-):
(vb.) **war*- 'to comb';
(n.) **war-a* 'comb'

815. Proto-Nostratic root **war*- (~ **wər*-):
(vb.) **war*- 'to stretch, to extend, to expand';
(n.) **war-a* 'width, breadth, length'; (adj.) 'wide, broad'
Probably identical to:
(vb.) **war*- 'to raise, to elevate, to grow, to increase';
(n.) **war-a* 'uppermost, highest, or topmost part'

816. Proto-Nostratic root **war*- (~ **wər*-):
(vb.) **war*- 'to raise, to elevate, to grow, to increase';
(n.) **war-a* 'uppermost, highest, or topmost part'
Probably identical to:
(vb.) **war*- 'to stretch, to extend, to expand';
(n.) **war-a* 'width, breadth, length'; (adj.) 'wide, broad'

817. Proto-Nostratic root **war*- (~ **wər*-):
(vb.) **war*- 'to burn, to blaze';
(n.) **war-a* 'blaze, flame, heat, warmth'

818. Proto-Nostratic root **war*- (~ **wər*-) and/or **wir*- (~ **wer*-):
(vb.) **war*- and/or **wir*- 'to say, to speak, to tell, to point out, to make known';
(n.) **war-a* and/or **wir-a* 'news, report, gossip, speech'

819. Proto-Nostratic root **was$^{y}$*- (~ **wəs$^{y}$*-):
(vb.) **was$^{y}$*- 'to be or become worn out, tired, weary, fatigued, exhausted';
(n.) **was$^{y}$-a* 'weariness, fatigue, exhaustion'
Identical to:
(vb.) **was$^{y}$*- 'to crush, to grind, to pound, to wear out; to wither, to fade, to rot away, to waste away, to dry up, to decay';
(n.) **was$^{y}$-a* 'the act of crushing, grinding, pounding; wasting away, decay, decomposition'

820. Proto-Nostratic root **was$^{y}$*- (~ **wəs$^{y}$*-):
(vb.) **was$^{y}$*- 'to crush, to grind, to pound, to wear out; to wither, to fade, to rot away, to waste away, to dry up, to decay';

(n.) *$was^y$-a* ‘the act of crushing, grinding, pounding; wasting away, decay, decomposition’
Identical to:
(vb.) *$was^y$- ‘to be or become worn out, tired, weary, fatigued, exhausted’;
(n.) *$was^y$-a* ‘weariness, fatigue, exhaustion’

821. Proto-Nostratic root *waš- (~ *wəš-):
(vb.) *waš- ‘to add (to), to augment, to increase, to heap up’;
(n.) *waš-a* ‘augmentation, increase, addition, increment’; (adj.) ‘increased, augmented, heaped up, filled, full’

822. Proto-Nostratic root *$wat^h$- (~ *$wət^h$-):
(vb.) *$wat^h$- ‘to pass (of time); to grow old, to age’;
(n.) *$wat^h$-a* ‘year, age’; (adj.) ‘old’

823. Proto-Nostratic root *$wat^h$- (~ *$wət^h$-):
(vb.) *$wat^h$- ‘to say, to speak, to be talkative’;
(n.) *$wat^h$-a* ‘sound, cry, chatter, babble, report’

824. Proto-Nostratic (n.) *$wat'^y$-a* ‘the belly, stomach, bowels; womb; the interior or inside of anything’

825. Proto-Nostratic exclamation *way* ‘woe!’

826. Proto-Nostratic root *waǯ- (~ *wəǯ-):
(vb.) *waǯ- ‘to flow’;
(n.) *waǯ-a* ‘running water’

827. Proto-Nostratic root *wed-:
(vb.) *wed- ‘to strike (with a weapon)’;
(n.) *wed-a* ‘death, ruin, murder; strike, cut, wound, scar; weapon, axe’

828. Proto-Nostratic root *wel-:
(vb.) *wel- ‘to slay, to fight’;
(n.) *wel-a* ‘conquest, victory, defeat, slaughter, massacre; fight, battle, attack’

829. Proto-Nostratic root *$wel^y$-:
(vb.) *$wel^y$- ‘to be open, to be vacant’;
(n.) *$wel^y$-a* ‘open space, open land, field, meadow’

830. Proto-Nostratic root *$wel^y$-:
(vb.) *$wel^y$- ‘to well up, to surge, to flow forth, to flood’;
(n.) *$wel^y$-a* ‘deluge, flood, inundation; surge, wave’

831. Proto-Nostratic root **wet'-*:
(vb.) **wet'-* 'to wet, to moisten';
(n.) **wet'-a* 'water'

832. Proto-Nostratic root **wig-* (~ **weg-*):
(vb.) **wig-* 'to carry, to convey';
(n.) **wig-a* 'burden, load; conveyance, cart, vehicle'

833. Proto-Nostratic root **wil$^y$-* (~ **wel$^y$-*):
(vb.) **wil$^y$-* 'to become bright, to manifest, to appear, to come into view';
(n.) **wil$^y$-a* 'appearance, manifestation; light, brightness, radiance, splendor'; (adj.) 'bright, manifest, clear'

834. Proto-Nostratic root **win-* (~ **wen-*) or **wiŋ-* (~ **weŋ-*):
(vb.) **win-* or **wiŋ-* 'to strive for, to wish for, to desire';
(n.) **win-a* or **wiŋ-a* 'wish, desire'

835. Proto-Nostratic (n.) **wir-a* 'a kind of tree: aspen, alder, poplar, or the like'

836. Proto-Nostratic root (Eurasiatic only) **wos-*:
(vb.) **wos-* 'to trade, to deal';
(n.) **wos-a* 'trade, commerce'

837. Proto-Nostratic root **wot$^h$-*:
(vb.) **wot$^h$-* 'to take hold of, to seize, to grasp, to collect, to take away';
(n.) **wot$^h$-a* 'the act of taking, seizing, grasping'

838. Proto-Nostratic root (Eurasiatic only) **woy-*:
(vb.) **woy-* 'to make an effort, to act with energy';
(n.) **woy-a* 'strength, power'

839. Proto-Nostratic root (vb.) **woy-*:
Extended form:
(vb.) **woy-V-k$^h$-* 'to arrange or put in order';
(n.) **woy-k$^h$-a* 'arrangement, order; straightness, correctness, rectitude'; (adj.) 'straight, right, correct, true'

840. Proto-Nostratic (n.) **wun-d-a* (~ **won-d-a*) '(young, fine, or soft) hair'

841. Proto-Nostratic (n.) **wur-a* (~ **wor-a*) 'squirrel'

842. Proto-Nostratic root **wur$^y$-* (~ **wor$^y$-*):
(vb.) **wur$^y$-* 'to scratch, to incise, to dig up';
(n.) **wur$^y$-a* 'pit, ditch'

843. Proto-Nostratic root (Eurasiatic only) **wuy-* (~ **woy-*) or **Huy-* (~ **Hoy-*):
(vb.) **wuy-* or **Huy-* 'to swim, to float';
(n.) **wuy-a* or **Huy-a* 'swim, swimming, floating'

# CHAPTER 42

## PROTO-NOSTRATIC *m

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| m- | m- | m- | m- | m- | m- | m- | m- |
| -m- | -m- | -m- | -m- | -m- | -m- | -m- | -m- |

844. Proto-Nostratic indefinite pronoun stem **ma-* (~ **mə-*), **mi-* (~ **me-*), **mu-* (~ **mo-*) 'one, someone, somebody, anyone, anybody; other, another':

Note: This may originally have been a demonstrative stem (as suggested by Illič-Svityč), with three degrees of distance:
Proximate: **ma-* (~ **mə-*) 'this';
Intermediate: **mi-* (~ **me-*) 'that';
Distant: **mu-* (~ **mo-*) 'that yonder'

As in the stems:
Proximate: **kʰa-* (~ **kʰə-*) 'this'; **tʰa-* (~ **tʰə-*) 'this';
Intermediate: **kʰi-* (~ **kʰe-*) 'that'; **tʰi-* (~ **tʰe-*) 'that';
Distant: **kʰu-* (~ **kʰo-*) 'that yonder' **tʰu-* (~ **tʰo-*) 'that yonder'

845. Proto-Nostratic (nursery word) (n.) **ma(a)* 'mother, mommy', (reduplicated) **mam(m)a*, **mema* 'mother; (mother's) breast, milk'; used as a verb, the meaning was probably 'to suckle, to nurse; to suck (the breast)'

846. Proto-Nostratic negative/prohibitive particle **ma(ʔ)-* (~ **mə(ʔ)-*) 'no, not'

847. Proto-Nostratic root **maʔ-* (~ **məʔ-*):
(vb.) **maʔ-* 'to increase (in number), to be abundant, to be many';
(n.) **maʔ-a* 'large quantity, plenty, abundance'; (adj.) 'great, big, large, many, abundant'

848. Proto-Nostratic root **mad-* (~ **məd-*):
(vb.) **mad-* 'to stretch, to expand, to lengthen, to draw out, to measure out';
(n.) **mad-a* 'measure, measurement, amount; extent, limit'
Note also:
(vb.) **mat'-* 'to stretch, to expand, to lengthen, to draw out, to measure out';
(n.) **mat'-a* 'measure, measurement, amount; extent, limit'

849. Proto-Nostratic (n.) **mad-w-a* 'honey, mead'

850. Proto-Nostratic root **mag-* (~ **məg-*):
(vb.) **mag-* 'to be of great influence, importance, or power; to be eminent, exalted, highly esteemed, glorious, illustrious';
(n.) **mag-a* 'strength, power, might; glory, splendor, magnificence, grandeur, nobility, honor, distinction, excellence'; (adj.) 'strong, powerful, eminent, exalted, highly esteemed, glorious, illustrious'

851. Proto-Nostratic (Eurasiatic only) (n.) **mag-a* 'earth, land'

852. Proto-Nostratic (n.) **mag-a* 'young person, child'; (adj.) 'young'

853. Proto-Nostratic root **maħ-* (~ **məħ-*):
(vb.) **maħ-* 'to increase, to swell, to exceed, to surpass, to be great';
(n.) **maħ-a* 'bigness, greatness, fullness, excellence'; (adj.) 'big, great, full'

854. Proto-Nostratic (n.) **mak$^h$-a* 'neck'

855. Proto-Nostratic root **mak$^h$-* (~ **mək$^h$-*):
(vb.) **mak$^h$-* 'to deceive, to trick, to cheat; to be deceived, troubled, confused, perplexed';
(n.) **mak$^h$-a* 'deception, trickery, confusion'

856. Proto-Nostratic root **mak'-* (~ **mək'-*):
(vb.) **mak'-* 'to be great, strong, mighty, powerful';
(n.) **mak'-a* 'strength, power'; (adj.) 'great, strong, powerful; much, many'
Note also:
(vb.) **mik'-* 'to exceed, to surpass, to be in excess, to grow, to increase, to swell, to expand';
(n.) **mik'-a* 'growth, excess, increase, abundance, fullness'; (adj.) 'large, big, great, much'

857. Proto-Nostratic root **mak'-* (~ **mək'-*):
(vb.) **mak'-* 'to be happy, cheerful; to be pleasant, agreeable';
(n.) **mak'-a* 'happiness, joy, pleasure'

858. Proto-Nostratic (n.) **mal-a* 'hill, mountain'

859. Proto-Nostratic root **mal-* (~ **məl-*):
(vb.) **mal-* 'to fill, to be or become full, to increase';
(n.) **mal-a* 'fullness, abundance'; (adj.) 'full, filled, abundant, numerous, many'

860. Proto-Nostratic root **mal-* (~ **məl-*):
(vb.) **mal-* 'to be favorably disposed towards, to care about, to be devoted to, to like';
(n.) **mal-a* 'goodness, pleasantness'; (adj.) 'good, pleasant, pleasing'

861. Proto-Nostratic (n.) **mal-a* 'honey'

862. Proto-Nostratic root **mal-* (~ **məl-*):
(vb.) **mal-* 'to draw (out), to squeeze (out), to suck (out); to give suck, to suckle, to nurse';
(n.) **mal-a* 'milk; breast'

863. Proto-Nostratic root (Eurasiatic only) **mal-* (~ **məl-*):
(vb.) **mal-* 'to rub, to wipe, to stroke';
(n.) **mal-a* 'the act of rubbing, wiping, stroking'

864. Proto-Nostratic (adj.) **mal-a* 'other, next, second'

865. Proto-Nostratic root **mal-* (~ **məl-*):
(vb.) **mal-* 'to bend, to twist, to turn';
(n.) **mal-a* 'bend, turn'
Derivative:
(vb.) **mal-* 'to be confused, perplexed, disturbed, bewildered, mistaken';
(n.) **mal-a* 'confusion, perplexity, bewilderment'

866. Proto-Nostratic root **mal-* (~ **məl-*):
(vb.) **mal-* 'to be confused, perplexed, disturbed, bewildered, mistaken';
(n.) **mal-a* 'confusion, perplexity, bewilderment'
Derivative of:
(vb.) **mal-* 'to bend, to twist, to turn';
(n.) **mal-a* 'bend, turn'

867. Proto-Nostratic root **man-* (~ **mən-*):
(vb.) **man-* 'to suckle, to nurse (a child), to breastfeed';
(n.) **man-a* 'suckling, young (of humans and animals); breast'

868. Proto-Nostratic root **man-* (~ **mən-*):
(vb.) **man-* 'to count, to reckon' (> 'to consider, to think' > 'to recount' > 'to say, to speak');
(n.) **man-a* 'counting, reckoning'
Note: There may be more than one Proto-Nostratic root involved here: (1) **man-* 'to count, to reckon' and (2) **man-* 'to say, to speak'.

869. Proto-Nostratic root **man-* (~ **mən-*):
(vb.) **man-* 'to stay, to remain, to abide, to dwell; to be firm, steadfast, established, enduring';
(n.) **man-a* 'dwelling, house, home'

870. Proto-Nostratic root **man-* (~ **mən-*):
(vb.) **man-* 'to protect, to watch over, to stand guard over, to care for, to take care of, to tend';
(n.) **man-a* 'protection, care, guardianship; watchman, herdsman, guardian, protector'

871. Proto-Nostratic root **man-* (~ **mən-*):
(vb.) **man-* 'to swell, to expand, to grow, to increase';
(n.) **man-a* 'multitude, crowd, herd, flock'
Related to (extended form):
(vb.) **man-V-g-* 'to swell, to expand, to grow, to increase';
(n.) **man-g-a* 'great number, large amount; abundance; multitude, crowd'; (adj.) 'many, numerous, copious, abundant; swollen, big, fat, strong'

872. Proto-Nostratic root **man-* (~ **mən-*):
Extended form:
(vb.) **man-V-g-* 'to swell, to expand, to grow, to increase';
(n.) **man-g-a* 'great number, large amount; abundance; multitude, crowd'; (adj.) 'many, numerous, copious, abundant; swollen, big, fat, strong'
Related to:
(vb.) **man-* 'to swell, to expand, to grow, to increase';
(n.) **man-a* 'multitude, crowd, herd, flock'

873. Proto-Nostratic root **man$^{y}$-* (~ **mən$^{y}$-*):
(vb.) **man$^{y}$-* 'to lust after, to desire passionately, to copulate with, to have sexual intercourse, to beget';
(n.) **man$^{y}$-a* 'ardent desire, passion, lust'
Derivative:
(n.) **man$^{y}$-a* 'progenitor, begetter, man, male; penis'

874. Proto-Nostratic (n.) **man$^{y}$-a* 'progenitor, begetter, man, male; penis'
Derivative of:
(vb.) **man$^{y}$-* 'to lust after, to desire passionately, to copulate with, to have sexual intercourse, to beget';
(n.) **man$^{y}$-a* 'ardent desire, passion, lust'

875. Proto-Nostratic root **man$^{y}$-* (~ **mən$^{y}$-*):
(vb.) **man$^{y}$-* 'to hold, to take';
(n.) **man$^{y}$-a* 'hand, paw'

876. Proto-Nostratic root *$maq^{wh}$- (~ *$məq^{wh}$-):
(vb.) *$maq^{wh}$- 'to twist, to turn; to overturn, to turn upside down, to turn round';
(n.) *$maq^{wh}$-*a* 'twist, turn; overturning'

877. Proto-Nostratic root **mar*- (~ **mər*-):
(vb.) **mar*- 'to strive against, to oppose, to fight with or against; to argue, to quarrel, to contend, to dispute, to disagree';
(n.) **mar-a* 'quarrel, argument, dispute, fight'

878. Proto-Nostratic (n.) **mar-a* '(young) man, male (human or animal)'

879. Proto-Nostratic root **mar*- (~ **mər*-):
(vb.) **mar*- 'to turn: to overturn, to turn round, to turn over, etc.; to twist, to whirl, to roll; to bend';
(n.) **mar-a* 'the act of turning, turning over, turning round, etc.; rope, coil, string, cord'
Derivative:
(vb.) **mar*- 'to go (round), to walk, to run; to go after, to run or chase after' (> 'to seek, to pursue');
(n.) **mar-a* 'walk, walking, passage; road, track, way'
Note also:
(vb.) **mur*- 'to turn, to twist, to bend';
(n.) **mur-a* 'bend, curve'

880. Proto-Nostratic root **mar*- (~ **mər*-):
(vb.) **mar*- 'to go (round), to walk, to run; to go after, to run or chase after' (> 'to seek, to pursue');
(n.) **mar-a* 'walk, walking, passage; road, track, way'
Derivative of:
(vb.) **mar*- 'to turn: to overturn, to turn round, to turn over, etc.; to twist, to whirl, to roll; to bend';
(n.) **mar-a* 'the act of turning, turning over, turning round, etc.; rope, coil, string, cord'

881. Proto-Nostratic root **mar*- (~ **mər*-):
(vb.) **mar*- 'to smear, to anoint, to rub (with grease, oil, fat, ointment)';
(n.) **mar-a* 'grease, oil, fat, ointment, unguent'

882. Proto-Nostratic root **mar*- (~ **mər*-):
(vb.) **mar*- 'to soil, to stain';
(n.) **mar-a* 'spot, stain, dirt'; (adj.) 'dark, dirty, soiled'

883. Proto-Nostratic (Eurasiatic only) (n.) **mar-a* 'marsh, swamp'

884. Proto-Nostratic (n.) **mar-a* 'tree, wood'

885. Proto-Nostratic root **mar$^{y}$-* (~ **mər$^{y}$-*):
(vb.) **mar$^{y}$-* 'to be weakened, to wither away, to decay; to be or become sick, to fall ill; to die (from a fatal disease), to perish';
(n.) **mar$^{y}$-a* 'sickness, illness, fatal disease, malady, ailment; death'

886. Proto-Nostratic (n.) **mat$^{h}$-a* or **met$^{h}$-a* 'middle'; (particle) **mat$^{h}$-* or **met$^{h}$-* 'in the middle of, with, among'

887. Proto-Nostratic root **mat'-* (~ **mət'-*):
(vb.) **mat'-* 'to stretch, to expand, to lengthen, to draw out, to measure out';
(n.) **mat'-a* 'measure, measurement, amount; extent, limit'
Note also:
(vb.) **mad-* 'to stretch, to expand, to lengthen, to draw out, to measure out';
(n.) **mad-a* 'measure, measurement, amount; extent, limit'

888. Proto-Nostratic root **mat'-* (~ **mət'-*):
(vb.) **mat'-* 'to be or become wet, moist';
(n.) **mat'-a* 'moisture, wetness; dew, rain'; (adj.) 'wet, moist'

889. Proto-Nostratic root **maw-* (~ **məw-*):
(vb.) **maw-* 'to be wet';
(n.) **maw-a* 'water, liquid, fluid'

890. Proto-Nostratic root **mel-*:
(vb.) **mel-* 'to rub' (> 'to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary');
(n.) **mel-a* 'smoothness, softness; weakness'; (adj.) 'smooth, soft, tender, weak, worn out, tired, weary'
Note also:
(vb.) **mol-* 'to rub' (> 'to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary');
(n.) **mol-a* 'crumb, piece, morsel; mortar'; (adj.) 'crushed, ground, worn out or down'

891. Proto-Nostratic interrogative pronoun stem **mi-* (~ **me-*) 'who?, which?, what?', relative pronoun stem **ma-* (~ **mə-*) 'who, which, what'

892. Proto-Nostratic first person singular **mi* (~ **me*) 'I, me', first person plural (inclusive) **ma* (~ **mə*) 'we, us'

Note: in Afrasian and Dravidian, first person singular **mi* and first person plural (inclusive) **ma* have been mostly lost.

893. Proto-Nostratic root **miʔ-* (~ **meʔ-*):
(vb.) **miʔ-* 'to cut';
(n.) **miʔ-a* 'cutting instrument: knife' (later also 'sickle, scythe')

894. Proto-Nostratic root **mig-* (~ **meg-*):
(vb.) **mig-* 'to give';
(n.) **mig-a* 'gift'

895. Proto-Nostratic root **miħ-* (~ **meħ-*):
(vb.) **miħ-* 'to measure, to mark off';
(n.) **miħ-a* 'measure, measurement'

896. Proto-Nostratic root **mik'-* (~ **mek'-*):
(vb.) **mik'-* 'to exceed, to surpass, to be in excess, to grow, to increase, to swell, to expand';
(n.) **mik'-a* 'growth, excess, increase, abundance, fullness'; (adj.) 'large, big, great, much'
Note also:
(vb.) **mak'-* 'to be great, strong, mighty, powerful';
(n.) **mak'-a* 'strength, power'; (adj.) 'great, strong, powerful; much, many'

897. Proto-Nostratic (n.) **min-a* '(a kind of) fish'

898. Proto-Nostratic root **mir-* (~ **mer-*):
(vb.) **mir-* 'to stab, to pierce, to wound, to cause pain';
(n.) **mir-a* 'wound, pain'

899. Proto-Nostratic root **mol-*:
(vb.) **mol-* 'to rub' (> 'to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary');
(n.) **mol-a* 'crumb, piece, morsel; mortar'; (adj.) 'crushed, ground, worn out or down'
Note also:
(vb.) **mel-* 'to rub' (> 'to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary');
(n.) **mel-a* 'smoothness, softness; weakness'; (adj.) 'smooth, soft, tender, weak, worn out, tired, weary'

900. Proto-Nostratic (n.) **mor-a* 'any body of water: sea, lake, flood, stream, pool, cistern, reservoir, basin, canal, channel'

901. Proto-Nostratic **muk'-* (~ **mok'-*):
(vb.) **muk'-* 'to strain, to make great efforts';
(n.) **muk'-a* 'straining (as a woman in labor or as when defecating), effort; fatigue, suffering'

902. Proto-Nostratic root **mun-* (~ **mon-*):
(vb.) **mun-* 'to protrude, to stand out; to jut out; to be first, foremost, in front of';
(n.) **mun-a* 'topmost or most prominent part, highest or farthest point'

903. Proto-Nostratic (n.) **mun-a* 'egg, testicle'
Extended form (Dravidian and Slavic):
(n.) **mun-d-a* (~ **mon-d-a*) 'egg, testicle'

904. Proto-Nostratic root **muŋ-* (~ **moŋ-*):
(vb.) **muŋ-* 'to torment, to torture, to afflict; to cause pain, trouble, distress, suffering, difficulty; to suffer; to be in pain, trouble, distress, suffering, difficulty';
(n.) **muŋ-a* 'suffering, pain, malady, difficulty, distress, affliction, calamity, misery'

905. Proto-Nostratic root **mur-* (~ **mor-*):
(vb.) **mur-* 'to crush, to break, to destroy';
(n.) **mur-a* 'break, breach, rupture, fracture'; (adj.) 'crushed, broken, destroyed, ruptured, mutilated; weakened'

906. Proto-Nostratic root **mur-* (~ **mor-*):
(vb.) **mur-* 'to turn, to twist, to bend';
(n.) **mur-a* 'bend, curve'
Note also:
(vb.) **mar-* 'to turn: to overturn, to turn round, to turn over, etc.; to twist, to whirl, to roll; to bend';
(n.) **mar-a* 'the act of turning, turning over, turning round, etc.; rope, coil, string, cord'

907. Proto-Nostratic (Eurasiatic only) (n.) **mur-a* 'mulberry, blackberry'

908. Proto-Nostratic root **mur-* (~ **mor-*):
(vb.) **mur-* 'to make noise, to make sound, to murmur';
(n.) **mur-a* 'noise, sound, murmur'
Reduplicated:
(vb.) **mur-mur-* 'to make noise, to make sound, to murmur';
(n.) **mur-mur-a* 'noise, sound, murmur'

909. Proto-Nostratic root *$mus^y$- (~ *$mos^y$-):
(vb.) *$mus^y$- 'to immerse, dip, or plunge in water, to bathe';
(n.) *$mus^y$-*a* 'immersion, dip, plunge, bath'
Extended form (Indo-European and Uralic):
(vb.) *$mus^y$-*V-k'*- 'to immerse, dip, or plunge in water, to bathe';
(n.) *$mus^y$-*k'-a* 'immersion, dip, plunge, bath'

910. Proto-Nostratic root **muy*- (~ **moy*-):
(vb.) **muy*- 'to return, to give back';
(n.) **muy-a* 'that which is returned or given back: return, recompense, requital, repayment, etc.'

# CHAPTER 43

## PROTO-NOSTRATIC *n

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| n- | n- | n- | n- | n- | n- | n- | n- |
| -n- | -n- | -n-/-n̲- | -n- | -n- | -n- | -n- | -n- |

911. Proto-Nostratic first person singular personal pronoun **na* (~ **nə*) 'I, me'

    Note: On the basis of Dravidian (and possibly Altaic), the original form of this stem may have been **ŋa* (~ **ŋə*), but this is not certain. Sumerian [Emegir] *g̃á.e* [= /ŋa-/] 'I' supports such a reconstruction as well.

912. Proto-Nostratic first person plural exclusive personal pronoun **na* (~ **nə*) 'we, us'

913. Proto-Nostratic deictic particle **na* (~ **nə*), **ni* (~ **ne*) 'this, that'

914. Proto-Nostratic interrogative-relative particle **na-* (~ **nə-*)

915. Proto-Nostratic negative/prohibitive particle **na* (~ **nə*), **ni* (~ **ne*), **nu* (~ **no*) 'no, not'

916. Proto-Nostratic root **naʕ-* (~ **nəʕ-*):
    (vb.) **naʕ-* 'to come, to go, to journey, to travel';
    (n.) **naʕ-a* 'journey'

917. Proto-Nostratic root **nab-* (~ **nəb-*):
    (vb.) **nab-* 'to burst forth, to gush forth';
    (n.) **nab-a* 'a bursting or gushing forth'
    Derivative:
    (n.) **nab-a* 'heavy rain, storm cloud, cloudy sky'

918. Proto-Nostratic (n.) (Eurasiatic only) **nab-a* 'heavy rain, storm cloud, cloudy sky'
    Derivative of:
    (vb.) **nab-* 'to burst forth, to gush forth';
    (n.) **nab-a* 'a bursting or gushing forth'

919. Proto-Nostratic root **nad$^y$-* (~ **nəd$^y$-*):
    (vb.) **nad$^y$-* 'to press, to crush, to mash';
    (n.) **nad$^y$-a* 'anything crushed or mashed'

920. Proto-Nostratic root *$nad^y$- (~ *$nəd^y$-):
(vb.) *$nad^y$- 'to vex, to disturb, to annoy, to irritate, to agitate; to be annoying, irritating, malicious, rude, bad, mean, base';
(n.) *$nad^y$-*a* 'vexation, disturbance, annoyance, irritation, trouble'; (adj.) 'annoying, irritating, malicious, rude, bad, mean, base'

921. Proto-Nostratic root **nag*- (~ **nəg*-):
(vb.) **nag*- 'to strike, to split, to pierce, to stab';
(n.) **nag-a* 'stroke, blow, wound'

922. Proto-Nostratic root **naħ*- (~ **nəħ*-):
(vb.) **naħ*- 'to tremble, to shake; to fear, to be afraid';
(n.) **naħ-a* 'fear'

923. Proto-Nostratic (n.) *$nak^h$-*a* '(animal) skin, pelt, hide'

924. Proto-Nostratic root *$nak^{wh}$- (~ *$nək^{wh}$-):
(vb.) *$nak^{wh}$- 'to lie down, to go to sleep, to go to bed';
(n.) *$nak^{wh}$-*a* 'bedtime, evening, nighttime'

925. Proto-Nostratic root *$nap^h$- (~ *$nəp^h$-), *$nip^h$- (~ *$nep^h$-), *$nup^h$- (~ *$nop^h$-):
(vb.) *$nap^h$-, *$nip^h$-, *$nup^h$- 'to breathe, to blow';
(n.) *$nap^h$-*a*, *$nip^h$-*a*, *$nup^h$-*a* 'breath, life'

926. Proto-Nostratic (n.) **nat'-a* 'woman, female relative'

927. Proto-Nostratic root **nat'*- (~ **nət'*-):
(vb.) **nat'*- 'to moisten, to wet';
(n.) **nat'-a* 'wetness, dampness, moistness'; (adj.) 'wet, damp, moist'

928. Proto-Nostratic (n.) **ner-a* 'the highest, foremost, or most prominent person or thing'

929. Proto-Nostratic root *$net'^y$-:
(vb.) *$net'^y$- 'to turn, to twist together, to tie, to bind, to weave, to entwine';
(n.) *$net'^y$-*a* 'anything twisted together, woven, entwined: mat, net, web, etc.; weaving, entwining, braiding'

930. Proto-Nostratic second person personal pronoun stem **ni* (~ **ne*) and/or **na* (~ **nə*) 'you'

931. Proto-Nostratic root *$nik^h$- (~ *$nek^h$-):
(vb.) *$nik^h$- 'to strike, to hit';
(n.) *$nik^h$-*a* 'injury, harm, damage, wound, murder, destruction; suffering, pain'

932. Proto-Nostratic root *$nit\underset{\smile}{ɬ}^h$- (~ *$net\underset{\smile}{ɬ}^h$-):
(vb.) *$nit\underset{\smile}{ɬ}^h$- 'to lift (up), to raise; to carry, to take; to rise, to arise';
(n.) *$nit\underset{\smile}{ɬ}^h$-*a* 'the act of lifting, raising, carrying'

933. Proto-Nostratic (particle) **nu* 'now, at present, currently'

934. Proto-Nostratic root *$nus^y$- (~ *$nos^y$-):
(vb.) *$nus^y$- 'to be small, minute, soft, weak, delicate';
(n.) *$nus^y$-*a* 'smallness, insufficiency, decrease, diminishment'; (adj.) 'small, minute, soft, weak, delicate'
Derivatives:
(n.) *$nus^y$-*a* 'woman, female; any female connected by marriage: wife, bride, sister-in-law, daughter-in-law'
(vb.) *$nus^y$- 'to be weakened, debilitated, sick; to ache, to suffer, to be in pain';
(n.) *$nus^y$-*a* 'weakness, sickness, disease, malady, ache, pain, affliction'

935. Proto-Nostratic (n.) *$nus^y$-*a* 'woman, female; any female connected by marriage: wife, bride, sister-in-law, daughter-in-law'
Derivative of:
(vb.) *$nus^y$- 'to be small, minute, soft, weak, delicate';
(n.) *$nus^y$-*a* 'smallness, insufficiency, decrease, diminishment'; (adj.) 'small, minute, soft, weak, delicate'

Semantic development as in Naikṛi *koraḷ* 'daughter-in-law, bride' and Telugu *kōḍalu* 'daughter-in-law', both from the same stem found in Tamil *kuṛa* 'young, tender', Kannaḍa *koḍa* 'tenderness, tender age, youth', Tuḷu *korè* 'weak, small', etc.

936. Proto-Nostratic root *$nus^y$- (~ *$nos^y$-):
(vb.) *$nus^y$- 'to be weakened, debilitated, sick; to ache, to suffer, to be in pain';
(n.) *$nus^y$-*a* 'weakness, sickness, disease, malady, ache, pain, affliction'
Derivative of:
(vb.) *$nus^y$- 'to be small, minute, soft, weak, delicate';
(n.) *$nus^y$-*a* 'smallness, insufficiency, decrease, diminishment'; (adj.) 'small, minute, soft, weak, delicate'

# CHAPTER 44

## PROTO-NOSTRATIC *n$^{y}$

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| n$^{y}$- | n- | ñ- | | n- | n$^{y}$- | n$^{y}$- | |
| -n$^{y}$- | -n- | -ṇ- | | -n- | -n$^{y}$- | -n$^{y}$- | |

937. Proto-Nostratic root *$n^{y}aʕ$- (~ *$n^{y}əʕ$-):
Extended form:
(vb.) *$n^{y}aʕ$-*V*-*r*- ‘to appear, to arise, to sprout, to come into being; to grow (up), to mature’;
(n.) *$n^{y}aʕ$-*r*-*a* ‘shoot, sprout, seedling’
Derivative:
(n.) *$n^{y}aʕ$-*r*-*a* ‘young man, boy, youth’

938. Proto-Nostratic (n.) *$n^{y}aʕ$-*r*-*a* ‘young man, boy, youth’
Derivative of:
(vb.) *$n^{y}aʕ$-*V*-*r*- ‘to appear, to arise, to sprout, to come into being; to grow (up), to mature’;
(n.) *$n^{y}aʕ$-*r*-*a* ‘shoot, sprout, seedling’

939. Proto-Nostratic root *$n^{y}am$- (~ *$n^{y}əm$-):
(vb.) *$n^{y}am$- ‘to press, to squeeze’;
(n.) *$n^{y}am$-*a* ‘pressing, squeezing’

940. Proto-Nostratic (n.) *$n^{y}ap^{h}$-*a* ‘offspring, descendant, young one’

941. Proto-Nostratic root *$n^{y}uk^{h}$- (~ *$n^{y}ok^{h}$-):
(vb.) *$n^{y}uk^{h}$- ‘to shake, to tremble’;
(n.) *$n^{y}uk^{h}$-*a* ‘shaking, trembling’

# CHAPTER 45

## PROTO-NOSTRATIC *l

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| l- | l- | l- | l- | l- | l- | l- | |
| -l- | -l- | -l- | -l- | -l- | -l- | -l- | -l- |

942. Proto-Nostratic root **lab-* (~ **ləb-*):
(vb.) **lab-* 'to take hold of, to grasp';
(n.) **lab-a* 'taking, grasping'
Possible derivative:
(vb.) **lab-* 'to eat greedily, to lap (up), to suck milk';
(n.) **lab-a* 'eating, sucking'

943. Proto-Nostratic root **lab-* (~ **ləb-*):
(vb.) **lab-* 'to eat greedily, to lap (up), to suck milk';
(n.) **lab-a* 'eating, sucking'
Possibly related to or derived from:
(vb.) **lab-* 'to take hold of, to grasp';
(n.) **lab-a* 'taking, grasping'

Assuming semantic development from 'to grasp with the teeth' > 'to eat greedily' as in Proto-Tungus **laba-da-* 'to eat greedily'.

944. Proto-Nostratic root **lag-* (~ **ləg-*):
(vb.) **lag-* 'to put, place, lay, or set down';
(n.) **lag-a* 'the act of putting, placing, laying, or setting down'

945. Proto-Nostratic root **lah-* (~ **ləh-*):
(vb.) **lah-* 'to shine, to blaze, to burn';
(n.) **lah-a* 'shining, blazing, burning'

946. Proto-Nostratic root **laħ-* (~ **ləħ-*):
(vb.) **laħ-* 'to make flow, to pour, to moisten, to wet';
(n.) **laħ-a* 'flowing, pouring; moistness, wetness'

947. Proto-Nostratic root **laħ-* (~ **ləħ-*):
(vb.) **laħ-* 'to strike, to fight';
(n.) **laħ-a* 'fight, battle, slaughter'

948. Proto-Nostratic root *$lak^h$- (onomatopoetic):
(vb.) *$lak^h$- 'to lick, to lap up';
(n.) *$lak^h$-*a* 'licking'

949. Proto-Nostratic *$lak^h$- (~ *$lək^h$-):
(vb.) *$lak^h$- 'to go on foot, to travel on foot';
(n.) *$lak^h$-*a* 'leg, foot'

950. Proto-Nostratic root *lak'- (~ *lək'-):
(vb.) *lak'- 'to gather, to collect';
(n.) *lak'-*a* 'collection'; (adj.) 'gathered, collected, picked, chosen'

951. Proto-Nostratic root *lak'- (~ *lək'-), *lik'- (~ *lek'-), *luk'- (~ *lok'-) (onomatopoetic):
(vb.) *lak'-, *lik'-, *luk'- 'to lick';
(n.) *lak'-*a*, *lik'-*a*, *luk'-*a* 'licking'

952. Proto-Nostratic root *lam- (~ *ləm-):
(vb.) *lam- 'to bend down, to stoop down, to sink down, to lie down, to duck down; to be or become bent down, curved down; to be low';
(n.) *lam-*a* 'lowland, low-lying ground, any piece of land'; (adj.) 'low'
Extended form:
(vb.) *lam-*V*-*d*- 'to bend down, to stoop down, to sink down, to lie down, to duck down; to be or become bent down, curved down; to be low';
(n.) *lam-*d*-*a* 'lowland, low-lying ground, any piece of land'; (adj.) 'low'

953. Proto-Nostratic root *$las^y$- (~ *$ləs^y$-), *$lis^y$- (~ *$les^y$-), *$lus^y$- (~ *$los^y$-) (?) (onomatopoetic):
(vb.) *$las^y$-, *$lis^y$-, *$lus^y$- 'to lick, to lap (up)';
(n.) *$las^y$-*a*, *$lis^y$-*a*, *$lus^y$-*a* 'tongue; lip'

954. Proto-Nostratic (n.) *$lat^h$-*a* 'skin'

955. Proto-Nostratic root *law- (~ *ləw-):
(vb.) *law- 'to bend, to twist, to turn';
(n.) *law- 'bend, twist, turn'

956. Proto-Nostratic root *law- (~ *ləw-):
(vb.) *law- 'to shine';
(n.) *law-*a* 'light, glow'; (adj.) 'shining, gleaming, glowing, bright'

957. Proto-Nostratic root *law- (~ *ləw-):
(vb.) *law- 'to separate, to divide, to part, to sever, to detach';
(n.) *law-*a* 'part cut off, separation, division'

958. Proto-Nostratic root **law-* (~ **ləw-*):
Extended form:
(vb.) **law-V-ħ-* ‘to moisten, to water; to wash, to clean’;
(n.) **law-ħ-a* ‘the act of bathing, washing’

959. Proto-Nostratic root **laxʷ-* (~ **ləxʷ-*):
(vb.) **laxʷ-* ‘to strike, to hit, to beat’;
(n.) **laxʷ-a* ‘the act of striking, hitting, beating; stroke, hit, blow’

960. Proto-Nostratic root **liʔ-* (~ **leʔ-*):
(vb.) **liʔ-* ‘to come into being, to arise, to grow, to become’;
(n.) **liʔ-a* ‘being, becoming’

961. Proto-Nostratic root **lip’-* (~ **lep’-*):
(vb.) **lip’-* ‘to form, to fashion, to mold’;
(n.) **lip’-a* ‘form, mold’

# CHAPTER 46

## PROTO-NOSTRATIC *r

| | | | | Eurasiatic | | | |
|---|---|---|---|---|---|---|---|
| Proto-Nostratic | Proto-Afrasian | Proto-Dravid. | Proto-Kartvel. | Proto-IE | Proto-Uralic | Proto-Altaic | Proto-Eskimo |
| r- | r- | | r- | r- | r- | | |
| -r- | -r- | -r-/-r̲- | -r- | -r- | -r- | -r- | -R- |

962. Proto-Nostratic root **raʔ-* (~ **rəʔ-*):
(vb.) **raʔ-* 'to see, to perceive';
(n.) **raʔ-a* 'sight, observation, perception'; (adj.) 'seeing, perceiving'
Extended form:
(vb.) **raʔ-V-y-* 'to see, to perceive';
(n.) **raʔ-y-a* 'sight, observation, perception'; (adj.) 'seeing, perceiving'

963. Proto-Nostratic root **rag-* (~ **rəg-*):
(vb.) **rag-* 'to stir, to move, to shake';
(n.) **rag-a* 'trembling, quaking, shaking, rocking; movement; collapse (from shaking)'

964. Proto-Nostratic root **rak$^h$-* (~ **rək$^h$-*):
(vb.) **rak$^h$-* 'to twist, to turn, to bend; to tie, to bind, to fasten';
(n.) **rak$^h$-a* 'twist, turn, bend; tie, bond, cord'
Derivative:
(vb.) **rak$^h$-* 'to put, join, fit, or fasten (together); to assemble, to prepare, to construct';
(n.) **rak$^h$-a* 'the act of putting, joining, fitting, or fastening (together); the act of assembling, preparing, constructing'

965. Proto-Nostratic root **rak$^h$-* (~ **rək$^h$-*):
(vb.) **rak$^h$-* 'to put, join, fit, or fasten (together); to assemble, to prepare, to construct';
(n.) **rak$^h$-a* 'the act of putting, joining, fitting, or fastening (together); the act of assembling, preparing, constructing'
Derivative of:
(vb.) **rak$^h$-* 'to twist, to turn, to bend; to tie, to bind, to fasten';
(n.) **rak$^h$-a* 'twist, turn, bend; tie, bond, cord'

966. Proto-Nostratic root **rak'-* (~ **rək'-*):
(vb.) **rak'-* 'to stretch, to extend, to draw out';
(n.) **rak'-a* 'the act of stretching, extending, drawing out; stretch, extension'; (adj.) 'stretched, extended, drawn out'

967. Proto-Nostratic root **rak'-* (~ **rək'-*):
(vb.) **rak'-* 'to observe, to watch, to regard attentively; to supervise, to control';
(n.) **rak'-a* 'observation, watchfulness, care, protection'

968. Proto-Nostratic root **raq'-* (~ **rəq'-*):
(vb.) **raq'-* 'to move quickly, to move back and forth';
(n.) **raq'-a* 'any rapid motion: shaking, trembling, jumping, dancing, etc.'

969. Proto-Nostratic root **rat$^h$-* (~ **rət$^h$-*):
(vb.) **rat$^h$-* 'to turn, to roll; to run';
(n.) **rat$^h$-a* 'turning, rolling; running'

970. Proto-Nostratic root **raw-* (~ **rəw-*):
Extended form:
(vb.) **raw-V-ħ-* 'to be spacious, wide';
(n.) **raw-ħ-a* 'space, room'; (adj.) 'spacious, wide'

971. Proto-Nostratic root **rek'-*:
(vb.) **rek'-* 'to sprinkle, to spray, to wet, to moisten';
(n.) **rek'-a* 'sprinkling, spray, rain'

972. Proto-Nostratic root **riy-* (~ **rey-*):
(vb.) **riy-* 'to prosper, to thrive, to flourish, to increase, to grow';
(n.) **riy-a* 'increase, growth, prosperity, wealth'

973. Proto-Nostratic root **rom-*:
(vb.) **rom-* 'to stop, to rest, to relax';
(n.) **rom-a* 'rest, quietude, calmness, tranquility, relaxation'; (adj.) 'quiet, tranquil, still, gentle, silent, relaxed'

974. Proto-Nostratic root **row-*:
(vb.) **row-* 'to cut, tear, or break apart';
(n.) **row-a* 'cut, tear'

975. Proto-Nostratic root **rum-* (~ **rom-*):
(vb.) **rum-* 'to grow or become dark; to darken';
(n.) **rum-a* 'darkness, night; twilight, dusk'; (adj.) 'dark'

# CHAPTER 47

## ENGLISH-NOSTRATIC INDEX

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| abandon, to | *$\check{c}^h$al- | 335 |
| | *gaʔ- | 350 |
| | *γor- | 784 |
| | *γor-V-b- | 784 |
| abandoned | *$\check{c}^h$al-a | 335 |
| | *gaʔ-a | 350 |
| abandonment | *gaʔ-a | 350 |
| | *γor-a | 784 |
| | *γor-b-a | 784 |
| abide, to | *q'$^w$ad- | 587 |
| | *ħam- | 714 |
| | *man- | 869 |
| ability | *gal-a | 364 |
| ablaze, to be | *hag- | 687 |
| able, to be | *gal- | 364 |
| add (to), to | *waš- | 821 |
| abode | *buw-a | 80 |
| | *$k^h$ay-a | 438 |
| | *q'$^w$ad-a | 587 |
| | *ħam-a | 714 |
| | *wan-a | 807 |
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| | *ʕaŋ- | 753 |
| | *xaŋ- | 773 |
| above, that which is | *ʔap$^h$-a | 640 |
| above, to be | *ʔap$^h$- | 640 |
| | *ħar- | 723 |
| abraded | *$t^h$ar-a | 197 |
| abscess | *$p^h$ul$^y$-a | 126 |
| abundance | *baǯ-a | 42 |
| | *$t^h$ir-a | 208 |
| | *$t^h$ir-$p^h$-a | 209 |
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| | *gam-a | 366 |
| | *gar$^y$-a | 373 |
| | *k'an-a | 471 |
| | *$g^w$an-a | 509 |
| | *ħap$^h$-a | 719 |
| | *maʔ-a | 847 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *mal-a | 859 |
| | *man-g-a | 872 |
| | *mik'-a | 896 |
| abundant | *baǯ-a | 42 |
| | *$t^h$ir-a | 208 |
| | *k'an-a | 471 |
| | *maʔ-a | 847 |
| | *mal-a | 859 |
| | *man-g-a | 872 |
| abundant, to be | *baǯ- | 42 |
| | *maʔ- | 847 |
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| accumulation | *$k^h$aw-a | 436 |
| | *$k^h$um-a | 450 |
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| | *nus$^y$-a | 936 |
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| | *nus$^y$- | 936 |
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| acrid | *$k^h$ar-a | 428 |
| | *ħam-a | 713 |
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| acrid foodstuff, any | *ħam-a | 713 |
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| | *day-a | 159 |
| | *$k^{wh}$ey-a | 527 |
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| act with energy, to | *woy- | 838 |
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| | *$k^{wh}$ir-a | 529 |
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| English Meaning | Proto-Nostratic | Number |
|---|---|---|
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| | *ħag-a | 703 |
| | *muŋ-a | 904 |
| | *$nus^y$-a | 936 |
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| | *dul- | 173 |
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| | *dul- | 173 |
| | *dul- | 173 |
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| agitation | *dal-a | 149 |
| | *dul-a | 173 |
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| English Meaning | Proto-Nostratic | Number |
|---|---|---|
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| allotment | *xal-a | 770 |
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| animals, to hunt wild | *guw- | 400 |
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| announcement | *bak$^h$-a | 16 |
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| English Meaning | Proto-Nostratic | Number |
|---|---|---|
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| | *mi- (~ *me-), | |
| | *mu- (~ *mo-) | 844 |
| anyone [indefinite pronoun stem] | *ma- (~ *mə-), | |
| | *mi- (~ *me-), | |
| | *mu- (~ *mo-) | 844 |
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| | *ʔiy-a | 673 |
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| aquatic bird | *gaŋ-a | 367 |
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| ardent desire | *manʸ-a | 873 |
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| English Meaning | Proto-Nostratic | Number |
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| arrive at, to | *$d^y$iʔ- | 254 |
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| | *t͡ɬ$^h$er-a | 603 |
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| | *ħas-a | 726 |
| ashes, (hot or smoldering) | *$k^h$um-a | 452 |
| ask, to | *$p^h$ir- | 135 |
| ask for, to | *t'el- | 237 |
| aspen | *wir-a | 835 |
| assemblage | *$k^h$am-a | 415 |
| assemble, to | *ra$k^h$- | 965 |
| assembling, the act of | *ra$k^h$-a | 965 |
| assert, to | *ba$k^h$- | 16 |
| assertion | *ba$k^h$-a | 16 |
| associate | *ʔar-a | 643 |
| associated | *ʔar-a | 643 |
| associated or related person or thing | *ʔar-a | 643 |
| astonishment, exclamation of | *hay | 699 |
| asunder, to part | *ʔar- | 641 |
| at a distance | *t'aw-a | 232 |
| at present | *nu | 933 |
| at rest | *k'$^w$ar-a | 541 |
| attach, to | *baʕ- | 2 |
| attached, to be firmly or strongly | *t'$^y$ar- | 268 |
| attack | *wel-a | 828 |
| attain, to | *sag- or *šag- | 317 |
| attain an end or a goal, to | *$t^y{}^h$ar- | 259 |
| attainment | *$d^y$iʔ-a | 254 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *t$^{yh}$ar-a | 259 |
| | *sag-a or *šag-a | 317 |
| attention | *guw-a | 399 |
| | *ʕen-a | 758 |
| attention, to pay | *guw- | 399 |
| | *ʕen- | 758 |
| auger | *bur-a | 74 |
| augment, to | *waš- | 821 |
| augmentation | *waš-a | 821 |
| augmented | *waš-a | 821 |
| aunt | *ʔan$^{y}$a | 636 |
| aware of, to be or become | *baw- | 39 |
| | *guw- | 399 |
| awareness | *baw-a | 39 |
| | *guw-a | 399 |
| axe | *t$^{h}$ik$^{h}$-a | 206 |
| | *sak$^{h}$-a | 319 |
| | *č’ir-a | 341 |
| | *t͜ɬ$^{h}$ar-a | 600 |
| | *ħaʒ-a | 735 |
| | *wed-a | 827 |
| babe | *baaba | 4 |
| babble | *wat$^{h}$-a | 823 |
| back (= hind part; hindquarters) | *dub-a | 170 |
| | *ʕar-a | 755 |
| back of the head | *k’ap$^{h}$-a | 477 |
| bad | *t’$^{y}$aw-a | 273 |
| | *nad$^{y}$-a | 920 |
| (bad) | *dar-a | 153 |
| bad, to be | *ʔak$^{h}$- | 622 |
| | *nad$^{y}$- | 920 |
| bad thing | *t’$^{y}$aw-a | 273 |
| baffle, to | *dul- | 173 |
| baffled, to be | *dul- | 173 |
| bake, to | *ʔep$^{h}$- | 663 |
| (bake, to) | *p$^{h}$ek$^{wh}$- | 115 |
| baked | *t’ab-a | 217 |
| (baked) | *p$^{h}$ek$^{wh}$-a | 115 |
| baking | *k’al-a | 464 |
| baking, the act of | *ʔep$^{h}$-a | 663 |
| bald | *k’al$^{y}$-a | 468 |
| bald spot | *k’al$^{y}$-a | 468 |
| ball | *ɢ$^{w}$al-a | 585 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| band (= cord) | *$s^y$ir-a | 285 |
| | *$k^h$ad-a | 406 |
| | *k'a$č^h$-a | 457 |
| | *k'ad-a | 458 |
| | *k'aŋ-a | 473 |
| bandage | *baʕ-a | 2 |
| | *yaʔ-a | 785 |
| bank (= shore) | *$k^h$ar-a | 425 |
| barb | *$t\!\!\breve{\imath}^h$a$k^{wh}$-a | 597 |
| bare | *k'a$l^y$-a | 468 |
| bark (= outside covering of trees) | *t'o$r^y$-a | 241 |
| | *$k^h$ar-a | 423 |
| | *k'$^w$oy-a | 552 |
| barren | *bar-a | 38 |
| barren, to be or become | *bar- | 38 |
| barren land | *bar-a | 38 |
| base (= vile) | *$p^h$ul-a | 125 |
| | *na$d^y$-a | 920 |
| base (= vile), to be | *na$d^y$- | 920 |
| basin | *mor-a | 900 |
| bath | *mu$s^y$-a | 909 |
| | *mu$s^y$-k'-a | 909 |
| bathe, to | *mu$s^y$- | 909 |
| | *mu$s^y$-V-k'- | 909 |
| bathing, the act of | *law-a | 958 |
| battle | *bur-a | 73 |
| | *ɢal-a | 557 |
| | *$q^h$a$t^h$-a | 574 |
| | *wel-a | 828 |
| | *laħ-a | 947 |
| be (= exist), to | *ʔil- | 667 |
| beam forth, to | *hal- | 690 |
| bear (= endure), to | *$t^h$a$l^y$- | 189 |
| bear (= give birth), to | *ʔum- | 684 |
| | *γil- | 783 |
| bear children, to | *bar- | 30 |
| bear fruit, to | *$p^h$ir- | 119 |
| beast, wild | *guw-a | 400 |
| | *guw-r-a | 400 |
| beat, to | *$t^h$a$p^h$- | 193 |
| | *t'a$p^h$- | 228 |
| | *t'uk'- | 244 |
| | *$d^y$ab- | 248 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$t^{y}{}^{h}$um- | 263 |
| | *$t'^{y}$ad- | 264 |
| | *$c^{h}$aħ- | 304 |
| | *k'an- | 472 |
| | *$k'^{w}$ad- | 532 |
| | *$k'^{w}$aħ- | 534 |
| | *$q^{h}$at$^{h}$- | 574 |
| | *ʕak$^{h}$- | 746 |
| | *lax$^{w}$- | 959 |
| beaten | *$k'^{w}$aħ-a | 534 |
| beating | *$c^{h}$aħ-a | 304 |
| beating, the act of | *$c^{h}$aħ-a | 304 |
| | *ʕak$^{h}$-a | 746 |
| | *lax$^{w}$-a | 959 |
| beautiful, to be | *$s^{y}$uw- | 291 |
| beauty | *bah-a | 13 |
| become, to | *buw- | 81 |
| | *liʔ- | 960 |
| becoming (= coming into being) | *liʔ-a | 960 |
| bed | *$k^{h}$ay-a | 438 |
| bed, to go to | *nak$^{wh}$- | 924 |
| bedtime | *nak$^{wh}$-a | 924 |
| bee | *bay-a | 41 |
| | *$k^{h}$an$^{y}$-a ~ *$k^{h}$in$^{y}$-a ~ *$k^{h}$un$^{y}$-a | 417 |
| beg, to | *t'el- | 237 |
| beget, to | *k'an- | 469 |
| | *man$^{y}$- | 873 |
| beget (of humans), to | *γil- | 783 |
| begetter | *man$^{y}$-a | 874 |
| begotten | *k'an-a | 469 |
| behind (= hindquarters) | *ʕar-a | 755 |
| being | *liʔ-a | 960 |
| being, to come into | *buw- | 81 |
| | *k'al- | 466 |
| | *n$^{y}$aʕ-V-r- | 937 |
| | *liʔ- | 960 |
| belly | *k$^{wh}$ur-a | 530 |
| | *wat'$^{y}$-a | 824 |
| belt | *yaʔ-a | 785 |
| beneath, that which is | *ħal-a | 710 |
| bend | *dar-a | 152 |
| | *k'um-a | 502 |
| | *k'un-a | 504 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ħan-a | 716 |
| | *wan-a | 810 |
| | *mal-a | 865 |
| | *mur-a | 906 |
| | *law-a | 955 |
| | *rak$^h$-a | 964 |
| bend, to | *dar- | 152 |
| | *t$^h$ak$^h$- | 186 |
| | *č$^h$ok$^h$- | 338 |
| | *gam- | 365 |
| | *gaŋ- | 368 |
| | *k'ar- | 481 |
| | *k'um- | 502 |
| | *k'un- | 504 |
| | *ɢub- | 569 |
| | *ɢ$^w$al- | 585 |
| | *ħan- | 716 |
| | *wan- | 810 |
| | *mal- | 865 |
| | *mar- | 879 |
| | *mur- | 906 |
| | *law- | 955 |
| | *rak$^h$- | 964 |
| bend back, to | *gaŋ- | 368 |
| bend down, to | *c'ar- | 309 |
| | *lam- | 952 |
| | *lam-V-d- | 952 |
| bend forward, to | *gaŋ- | 368 |
| bend round, to | *k'aw- | 484 |
| bend the body, to | *k'um- | 502 |
| bend the head, to | *k'um- | 502 |
| bend to the side, to | *gaŋ- | 368 |
| bend together, to | *t$^h$ak$^h$- | 186 |
| | *k'aŋ- | 473 |
| | *k'un- | 504 |
| bending, the act of | *č$^h$ok$^h$-a | 338 |
| | *k'um-a | 502 |
| bends, that which | *dar-a | 152 |
| beneficent | *bar-a | 34 |
| beneficent, to be | *bar- | 34 |
| bent | *dar-a | 152 |
| | *k$^h$on-k'-a, *k$^h$ok'-a | 447 |
| | *k'ar-a | 481 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *k'aw-a | 484 |
| | *gʷar-a | 510 |
| | *t͡ɬ'il-a | 610 |
| | *wan-a | 810 |
| bent, that which is | *k'un-a | 504 |
| | *ɢub-a | 569 |
| bent, to be | *tʰakʰ- | 186 |
| | *gam- | 365 |
| | *kʰon-V-k'-, *kʰok'- | 447 |
| | *t͡ɬ'il- | 610 |
| bent down, to be or become | *lam- | 952 |
| | *lam-V-d- | 952 |
| bent object | *gam-a | 365 |
| | *k'um-a | 503 |
| bent thing or object | *t͡ɬ'il-a | 610 |
| beseech, to | *pʰir- | 135 |
| | *t'el- | 237 |
| besides | *ʔapʰ- | 640 |
| bestow upon, to | *gib- | 380 |
| bewilder, to | *dul- | 173 |
| bewildered, to be | *dul- | 173 |
| | *mal- | 866 |
| bewilderment | *mal-a | 866 |
| beyond | *ʕal- | 747 |
| big | *bir-a | 49 |
| | *gad-a | 354 |
| | *maʔ-a | 847 |
| | *maħ-a | 853 |
| | *man-g-a | 872 |
| | *mik'-a | 896 |
| big, to be or become | *gad- | 354 |
| big toe | *pʰal-a | 93 |
| bigness | *gad-a | 354 |
| | *maħ-a | 853 |
| billy-goat | *daqʰ-a | 151 |
| bind, to | *baʕ- | 2 |
| | *t'an- | 227 |
| | *sak'ʷ- | 320 |
| | *kʰad- | 406 |
| | *k'ar- | 481 |
| | *kʷʰir- | 529 |
| | *yaʔ- | 785 |
| | *net'ʸ- | 929 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *rak$^h$- | 964 |
| bind (together), to | *ban-V-d- | 25 |
| | *bin- | 47 |
| bind together, to | *s$^y$ir- | 285 |
| | *c'ur- | 314 |
| | *k'un- | 504 |
| | *ʈɬ'im- | 611 |
| bind two things together, to | *k$^h$ol$^y$- | 446 |
| binding | *c'ur-a | 314 |
| | *ʕor$^y$-a | 763 |
| | *yaʔ-a | 785 |
| bird, a kind of | *c'ir$^y$-a | 313 |
| birth | *p$^h$ir-a | 119 |
| | *p$^h$it'$^y$-a | 123 |
| | *č$^h$an-a | 336 |
| | *k'al-a | 466 |
| | *k'an-a | 469 |
| birth, to give | *bar- | 30 |
| | *s$^y$aw- or *s$^y$ew- | 279 |
| | *ʔum- | 684 |
| | *γil- | 783 |
| birth to, to give | *p$^h$it'$^y$- | 123 |
| bit (= piece; fragment) | *dum-a | 175 |
| | *dun$^y$-a | 180 |
| | *gad-a | 355 |
| | *k$^h$as-a | 431 |
| bite | *bal-a | 20 |
| | *k'ab-a | 455 |
| | *ɢat'$^y$-a | 564 |
| | *q'am-a | 579 |
| | *ʈɬ'ar-a | 609 |
| bite, to | *bal- | 20 |
| | *bur- | 76 |
| | *k'ab- | 455 |
| | *ɢat'$^y$- | 564 |
| | *q'am- | 579 |
| | *ʈɬ'ar- | 609 |
| | *ʈɬ'ar-V-s- | 609 |
| | *ʔit'- | 672 |
| biting | *ɢat'$^y$-a | 564 |
| bitter | *ǯem-a | 334 |
| | *k$^h$ar-a | 428 |
| | *ɢat'$^y$-a | 564 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ħam-a | 713 |
| bitter, anything that is | *ʒem-a | 334 |
| bitter, that which is | *t'$^{y}$am-a | 267 |
| bitter, to turn | *t'$^{y}$am- | 267 |
| bitter foodstuff, any | *ħam-a | 713 |
| bitterness | *k$^{h}$ar-a | 428 |
| black | *dar-a | 154 |
| | *k$^{h}$ar-a | 429 |
| | *k$^{h}$um-a | 452 |
| | *ham-a | 692 |
| blackberry | *mur-a | 907 |
| blacken, to | *k$^{h}$um- | 452 |
| blackness | *k$^{h}$ar-a | 429 |
| | *k'ar-a | 480 |
| | *ham-a | 692 |
| black object | *ham-a | 692 |
| blade (= knife-edge) | *waħ-a | 795 |
| blade of grass | *k$^{h}$al$^{y}$-a | 411 |
| blaze | *bud-a | 57 |
| | *war-a | 817 |
| blaze, to | *t$^{h}$uk$^{h}$- | 212 |
| | *d$^{y}$ak$^{wh}$- | 249 |
| | *wal$^{y}$- | 805 |
| | *war- | 817 |
| | *lah- | 945 |
| blazing | *lah-a | 945 |
| blemish | *dar$^{y}$-a | 155 |
| | *gal-a | 363 |
| blend | *k'at$^{h}$-a | 483 |
| blighted | *c'aw-a | 311 |
| | *c'aw-l$^{y}$-a | 311 |
| blighted, that which is | *c'aw-a | 311 |
| | *c'aw-l$^{y}$-a | 311 |
| blind | *bal-a | 18 |
| blind, to be or become | *bal- | 18 |
| blindness | *bal-a | 18 |
| blister | *bug-a | 60 |
| | *p$^{h}$ul$^{y}$-a | 126 |
| | *dar$^{y}$-a | 155 |
| blister, to | *bug- | 60 |
| blood | *k$^{h}$ur-a | 453 |
| bloom | *buw-a | 81 |
| | *xan-a | 772 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| bloom, to | **bul-V-γ-* | 65 |
| | **xan-* | 772 |
| blossom | **buw-a* | 81 |
| | **xan-a* | 772 |
| blossom, to | **bul-V-γ-* | 65 |
| blossoming | **bul-γ-a* | 65 |
| blotch | **dar$^{y}$-a* | 155 |
| blow (= hit; stroke) | **baħ-a* | 15 |
| | **t$^{h}$ap$^{h}$-a* | 193 |
| | **t'ap$^{h}$-a* | 228 |
| | **t'aw-a* | 233 |
| | **t'uk'-a* | 244 |
| | **d$^{y}$ab-a* | 248 |
| | **t$^{yh}$al-a* | 257 |
| | **c$^{h}$al-a* | 305 |
| | **k'ud-a* | 495 |
| | **q$^{h}$al-a* | 571 |
| | **nag-a* | 921 |
| | **lax$^{w}$-a* | 959 |
| blow (= blast of air) | **bul-a* | 63 |
| blow, to | **bar-* | 28 |
| | **bur-* | 75 |
| | **p$^{h}$as$^{y}$-* | 108 |
| | **p$^{h}$uš-* | 129 |
| | **p$^{h}$uw-* | 138 |
| | **ʒim-* or **ǯim-* | 300 |
| | **ʔup$^{h}$-* | 685 |
| | **nap$^{h}$-*, **nip$^{h}$-*, **nup$^{h}$-* | 925 |
| blow about, to | **bur-* | 75 |
| | **p'ul$^{y}$-* | 141 |
| | **duw-* | 183 |
| blowing | **ʒim-a* or **ǯim-a* | 300 |
| blowing, the act of | **p$^{h}$uw-a* | 138 |
| blown about | **duw-a* | 183 |
| blown about, anything | **duw-a* | 183 |
| blown about, to be | **duw-* | 183 |
| (blubber) | **p$^{h}$ul$^{y}$-a* | 127 |
| blur | **bul-a* | 67 |
| boar, wild | **s$^{y}$aw-a* | 280 |
| board (= plank; panel) | **č'ir-a* | 341 |
| body | **k$^{wh}$ur-a* | 530 |
| body of water, any | **mor-a* | 900 |
| boil (= blister) | **bug-a* | 60 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| boil, to | *ʔep$^h$- | 663 |
| boiling | *wal-a | 802 |
| boisterous, to be | *gal- | 361 |
| bond | *baʕ-a | 2 |
| | *ban-d-a | 25 |
| | *bin-a | 47 |
| | *k$^h$am-a or *q$^h$am-a | 413 |
| | *t͡ɬ'im-a | 611 |
| | *yaʔ-a | 785 |
| | *rak$^h$-a | 964 |
| bone | *k'os-a | 494 |
| bore, to | *bur- | 74 |
| | *dur- | 181 |
| borer | *bur-a | 74 |
| born | *k'an-a | 469 |
| born, to be | *s$^y$aw- or *s$^y$ew- | 279 |
| | *č$^h$an- | 336 |
| | *k'al- | 466 |
| bosom | *k'$^w$an-a | 538 |
| | *ʕub-a | 764 |
| bottom of anything | *ʔul-a | 682 |
| bound (= tied) | *k'ar-a | 481 |
| bound together | *t͡ɬ'im-a | 611 |
| bound together, that which is | *c'ur-a | 314 |
| | *k'ar-a | 481 |
| bound together, to be or become | *t'$^y$ar- | 268 |
| bovine, wild | *t$^y$$^h$om-a | 262 |
| bow down, to | *k'um- | 502 |
| bowels | *wat'$^y$-a | 824 |
| bowing, the act of | *k'um-a | 502 |
| bowl | *k$^h$ap$^h$-a | 420 |
| boy | *n$^y$aʕ-r-a | 938 |
| braid, to | *ħaw- | 732 |
| braiding | *net'$^y$-a | 929 |
| braiding, the act of | *ħaw-a | 732 |
| brain | *ʔay-a | 653 |
| branch | *t'or$^y$-a | 241 |
| brave, to be | *xam- | 771 |
| | *xam-V-d- | 771 |
| breach | *bad-a | 5 |
| | *t$^y$$^h$al-m-a | 258 |
| | *mur-a | 905 |
| breadth | *p$^h$ar-a | 100 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$t^h$al$^y$-a | 189 |
| | *$t^h$an$^y$-a | 191 |
| | *war-a | 815 |
| break | *bak'-a | 17 |
| | *bit͡ɬ$^h$-a | 55 |
| | *$p^h$ač$^h$-a | 82 |
| | *$p^h$as$^y$-a | 109 |
| | *$p^h$in-a | 134 |
| | *t'aħ-a | 219 |
| | *gal-a | 357 |
| | *$k^h$as-a | 431 |
| | *mur-a | 905 |
| break, to | *bit͡ɬ$^h$- | 55 |
| | *$p^h$as$^y$- | 109 |
| | *$p^h$in- | 134 |
| | *dar- | 153 |
| | *$t^h$ar- | 196 |
| | *t'aħ- | 219 |
| | *ʕak$^h$- | 746 |
| | *mur- | 905 |
| break (apart), to | *$p^h$ar- | 99 |
| break apart, to | *$p^h$ač$^h$- | 82 |
| | *p'ut'- | 142 |
| | *$c^h$al- | 305 |
| | *row- | 974 |
| break into pieces, to | *gin- | 385 |
| break into small pieces, to | *k'ep'- | 488 |
| break off, to | *bir- | 51 |
| | *p'ut'- | 142 |
| | *$c^h$al- | 305 |
| | *gal- | 357 |
| | *$k^h$as- | 431 |
| break open, to | *bak'- | 17 |
| | *bit͡ɬ$^h$- | 55 |
| | *$p^h$ač$^h$- | 82 |
| | *t͡ɬ$^h$al- | 598 |
| breaking, the act of | *ʕak$^h$-a | 746 |
| breaking into small pieces, the act of | *k'ep'-a | 488 |
| breaking off, the act of | *bir-a | 51 |
| breast | *diy-a | 168 |
| | *ʒuʒ-a | 302 |
| | *k'ar-a | 482 |
| | *k'$^w$an-a | 538 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ʕim-a | 762 |
| | *ʕub-a | 764 |
| | *mal-a | 862 |
| | *man-a | 867 |
| breast, (mother's) | *mam(m)a, *mema | 845 |
| breastfeed, to | *man- | 867 |
| breath | *$p^h$uš-a | 129 |
| | *$p^h$uw-a | 138 |
| | *šaw-a | 345 |
| | *ʔup$^h$-a | 685 |
| | *ʕan-a | 752 |
| | *nap$^h$-a, *nip$^h$-a, *nup$^h$-a | 925 |
| breathe, to | *ʕan- | 752 |
| | *nap$^h$-, *nip$^h$-, *nup$^h$- | 925 |
| breathe deeply, to | *šaw- | 345 |
| breathe out, to | *$p^h$as$^y$- | 108 |
| | *$p^h$uš- | 129 |
| bride | *nus$^y$-a | 935 |
| bright | *bah-a | 13 |
| | *hal-a | 690 |
| | *wal$^y$-a | 805 |
| | *wil$^y$-a | 833 |
| | *law-a | 956 |
| bright, shining object, any | *q'al-a or *q'el-a | 577 |
| bright, to be | *bal- | 21 |
| | *bar- | 33 |
| | *dil$^y$- | 165 |
| | *dul- | 172 |
| | *t'ay- or *t'iy- | 235 |
| | *d$^y$ak$^{wh}$- | 249 |
| | *wal$^y$- | 805 |
| bright, to be or become | *q'al- or *q'el- | 577 |
| bright, to become | *dil$^y$- | 165 |
| | *wil$^y$- | 833 |
| bright, to make | *q'al- or *q'el- | 577 |
| brighten up, to | *hal- | 690 |
| brightness | *bah-a | 13 |
| | *bal-a | 21 |
| | *bar-a | 33 |
| | *t'ay-a or *t'iy-a | 235 |
| | *hal-a | 690 |
| | *wal$^y$-a | 805 |
| | *wil$^y$-a | 833 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| brilliance | *bah-a | 13 |
| | *ɢil-a | 567 |
| brilliant | *ɢil-a | 567 |
| bring, to | *day- | 161 |
| | *t'ox$^{w}$- | 242 |
| | *wad- | 794 |
| bring forth, to | *bad- | 10 |
| | *p$^{h}$ir- | 119 |
| | *s$^{y}$aw- or *s$^{y}$ew- | 279 |
| | *č$^{h}$an- | 336 |
| bring into action, to | *bad- | 10 |
| bring into being, to | *bad- | 10 |
| bring to an end, to | *k$^{wh}$al- | 516 |
| bring together, to | *k'at$^{h}$- | 483 |
| | *ɢam- | 558 |
| bringing, the act of | *wad-a | 794 |
| bringing forth | *č$^{h}$an-a | 336 |
| bristle | *bar-a | 27 |
| bristle (up), to | *bar- | 27 |
| (broad) | *t$^{h}$al$^{y}$-a | 189 |
| broad | *p$^{h}$al-a | 898 |
| | *p$^{h}$ar-a | 100 |
| | *t$^{h}$an$^{y}$-a | 191 |
| | *ʔut'-a | 686 |
| | *war-a | 815 |
| broad, that which is | *p$^{h}$al-a | 89 |
| broken | *mur-a | 905 |
| broken-off piece or part | *p'ut'-a | 142 |
| brought forth, that which is | *č$^{h}$an-a | 336 |
| brow | *q'aw-a | 582 |
| bruise, to | *c$^{h}$aħ- | 304 |
| bubble | *bul-bul-a (> *bum-bul-a) | 66 |
| bubble up, to | *bul-bul- (> *bum-bul-) | 66 |
| buck (= male of small, hoofed animals) | *buk'-a (~ *bok'-a) | 62 |
| | *k$^{h}$ab-a | 403 |
| bud | *ʕag-a | 745 |
| bud, to | *ʕag- | 745 |
| build, to | *t'am- | 225 |
| | *k'ad- | 458 |
| building | *t'am-a | 225 |
| bulbous | *p'ul-a | 140 |
| bulge | *bar-a | 26 |
| | *p$^{h}$uš-a | 129 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *p'ul-a | 140 |
| | *tʰaw-a | 202 |
| bulky | *k'ʷurʸ-a | 553 |
| bulky, to be | *k'ʷurʸ- | 553 |
| bullock | *k'ʷow-a | 551 |
| bunch | *bag-a | 12 |
| | *k'ar-a | 481 |
| bundle | *bag-a | 12 |
| | *k'ar-a | 481 |
| | *kʷʰir-a | 529 |
| burden | *t'an-a | 226 |
| | *ʔan-a | 632 |
| | *wig-a | 832 |
| burn | *pʰalʸ-a | 95 |
| burn, to | *pʰalʸ- | 95 |
| | *pʰaħ- | 130 |
| | *pʰaħ-V-w- | 130 |
| | *daɢ- | 147 |
| | *dul- | 172 |
| | *tʰepʰ- | 204 |
| | *tʰukʰ- | 212 |
| | *sʸaxʷ- | 281 |
| | *gub- | 391 |
| | *kʰum- | 452 |
| | *k'al- | 464 |
| | *k'ʷat'- | 547 |
| | *t͡ɬʰer- | 603 |
| | *ʔakʷʰ- | 626 |
| | *ʔepʰ- | 663 |
| | *hag- | 687 |
| | *ħas- | 726 |
| | *ʕal- | 748 |
| | *wal- | 802 |
| | *war- | 817 |
| | *lah- | 945 |
| burn brightly, to | *t'ay- or *t'iy- | 235 |
| burn slowly, to | *k'ʷam- | 537 |
| burned | *t͡ɬʰer-a | 603 |
| burning | *k'ʷat'-a | 547 |
| | *lah-a | 945 |
| burning sensation | *pʰalʸ-a | 95 |
| burnt wood | *t͡ɬʰer-a | 603 |
| burst forth, to | *bit͡ɬʰ- | 55 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *nab- | 917 |
| bursting forth | *nab-a | 917 |
| bush | *ʒag$^{w}$-a | 330 |
| bush, a kind of | *d$^{y}$an-w-a | 250 |
| bushy | *bar-a | 29 |
| bushy, to be | *bar- | 29 |
| but | *wa- (~ *wə-) | 792 |
| buttocks | *k'uŋ-a | 505 |
| buy, to | *k$^{h}$ap'- | 421 |
| by me | *ʔiya | 674 |
| by oneself, to be | *ʔoy- | 681 |
| | *xol- | 776 |
| cackle, to | *k$^{h}$at$^{h}$- | 435 |
| | *k'ak'- | 459 |
| cackling | *k$^{h}$at$^{h}$-a | 435 |
| calamity | *muŋ-a | 904 |
| calculation | *xal-a | 770 |
| calf | *p$^{h}$ar-a | 103 |
| | *p$^{h}$ur-a | 128 |
| | *ʕig-a | 761 |
| call | *ʒaħ-a | 331 |
| | *k'ar-a | 479 |
| | *q'$^{w}$al-a | 588 |
| | *q'$^{w}$ar-a or *q'$^{w}$ur-a | 592 |
| | *q'$^{w}$at$^{vh}$-a | 594 |
| call, to | *q'$^{w}$at$^{vh}$- | 594 |
| | *waʕ- | 793 |
| call (out), to | *ʒaħ- | 331 |
| | *q'$^{w}$al- | 588 |
| call (out to), to | *k'ar- | 479 |
| call out, to | *k$^{h}$al- | 408 |
| | *q'$^{w}$ar- or *q'$^{w}$ur- | 592 |
| | *wal- | 799 |
| calm | *t'um-a | 246 |
| calm, to | *t'um- | 246 |
| calm, to be or become | *q'$^{w}$ad- | 587 |
| calmness | *t'um-a | 246 |
| | *rom-a | 973 |
| canal | *ɢar-a | 561 |
| | *mor-a | 900 |
| capture, to | *p$^{h}$id- | 117 |
| care | *p$^{h}$in$^{y}$-a | 118 |
| | *k$^{h}$al-a | 409 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *war-a | 813 |
| | *man-a | 870 |
| | *rak'-a | 967 |
| care about, to | *mal- | 860 |
| care for (= like), to | *pʰar- | 98 |
| | *man- | 870 |
| care for (= take care of), to | *war- | 813 |
| carpenter | *t'am-a | 225 |
| carry, to | *wad- | 794 |
| | *wig- | 832 |
| | *nit͡ɬʰ- | 932 |
| carrying, the act of | *wad-a | 794 |
| | *nit͡ɬʰ-a | 932 |
| cart (= conveyance) | *wig-a | 832 |
| carve, to | *bar- | 35 |
| | *ħaʒ- | 735 |
| carving | *bar-a | 35 |
| | *xat'-a | 775 |
| carving tool | *ʔakʰ-a | 623 |
| cast (= throw; toss), to | *day- | 159 |
| | *siħ- | 328 |
| cast about | *siħ-a | 328 |
| cast-out things | *gud-a | 392 |
| casting about, the act of | *siħ-a | 328 |
| caustic (= pungent) | *kʰar-a | 428 |
| cave | *kʰay-w-a | 440 |
| cavity | *k'um-a | 503 |
| | *ħalʸ-a | 712 |
| caw, to | *kʰatʰ- | 435 |
| cawing | *kʰatʰ-a | 435 |
| cease to function, to | *ǯaw- | 333 |
| cereal, a kind of | *hay-a | 698 |
| cessation | *ǯaw-a | 333 |
| chaff | *pʰat'-a | 114 |
| chamoix | *ʔar-a | 644 |
| change, to | *sʸenʸ- | 282 |
| channel | *mor-a | 900 |
| char, to | *kʰum- | 452 |
| charcoal | *kʰum-a | 452 |
| | *t͡ɬʰer-a | 603 |
| charitable, to be | *bar- | 34 |
| charred | *t͡ɬʰer-a | 603 |
| chase after, to | *mar- | 880 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| chase away, to | *gus- | 398 |
| chatter | *$x^w$at'-a | 779 |
| | *$wat^h$-a | 823 |
| chatter, to | *k'ak'- | 459 |
| | *$x^w$at'- | 779 |
| cheat, to | *$mak^h$- | 855 |
| cheek | *gen-a | 377 |
| | *k'an-a | 470 |
| cheep, to | *c'$ir^y$- | 313 |
| cheerful, to be | *mak'- | 857 |
| chew, to | *k'ep'- | 488 |
| | *q'am- | 579 |
| | *ʔit'- | 672 |
| chewing (the cud) | *k'ep'-a | 488 |
| chief (= principal; main; leading) | *$p^h$ar-a | 101 |
| chief (= ruler) | *$t\widehat{ɬ}^h$ir-a | 606 |
| | *ħak'-a | 707 |
| | *ħar-a | 723 |
| chieftain | *$t\widehat{ɬ}^h$ir-a | 606 |
| | *ħak'-a | 707 |
| child | *baaba | 4 |
| | *bar-a | 30 |
| | *$s^y$aw-a or *$s^y$ew-a | 279 |
| | *k'an-a | 469 |
| | *γil-a | 783 |
| | *yaw-a | 788 |
| | *mag-a | 852 |
| children, to bear | *bar- | 30 |
| chill | *k'$ul^y$-a | 499 |
| chin | *ɢat'$^y$-a | 565 |
| chip | *bar-a | 35 |
| | *t'$^y$$ak^h$-a | 265 |
| | *$c^h$al-a | 306 |
| | *k'ir-a or *k'ur-a | 491 |
| chip, to | *t'$^y$$ak^h$- | 265 |
| chirp, to | *c'$ir^y$- | 313 |
| chisel | *$t^h$$ik^h$-a | 206 |
| | *ʔ$ak^h$-a | 623 |
| | *ħaʒ-a | 735 |
| choke, to | *ħan-V-g- | 717 |
| chop, to | *t'$^y$$ak^h$- | 265 |
| chop into small pieces, to | *k'ep'- | 488 |
| chopping into small pieces, the act of | *k'ep'-a | 488 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| chosen | **lak'-a* | 950 |
| cinder | **ħas-a* | 726 |
| circle | **c'ur-a* | 314 |
| | **k$^h$ar-a* | 424 |
| | **k$^{wh}$al-a* | 514 |
| | **ɢ$^w$al-a* | 585 |
| | **wal$^y$-a* | 804 |
| circuit | **k$^{wh}$al-a* | 514 |
| circular object, any | **g$^w$ar-a* | 510 |
| circumference | **wal$^y$-a* | 804 |
| cistern | **mor-a* | 900 |
| clamor | **gal-a* | 361 |
| | **waʕ-a* | 793 |
| clamor, to | **gal-* | 361 |
| clap of thunder | **ɢad-a* | 554 |
| | **ɢad-ɢad-a* | 554 |
| clarification | **k$^h$al-a* | 410 |
| clarify, to | **c'ar-* or **č'ar-* | 310 |
| clarity | **c'ar-a* or **č'ar-a* | 310 |
| | **gal-a* | 360 |
| clasp | **k$^h$on-k'-a*, **k$^h$ok'-a* | 447 |
| clatter, loud | **ɢad-a* | 554 |
| | **ɢad-ɢad-a* | 554 |
| claw | **t'$^y$ip$^h$-a* | 275 |
| clay | **diq$^h$-a* | 167 |
| clean, to | **ħal-* | 709 |
| | **law-* | 958 |
| clean(ed) | **ħal-a* | 709 |
| cleaned, that which is | **ʔal-a* | 627 |
| cleaning, the act of | **ʔal-a* | 627 |
| | **ħal-a* | 709 |
| cleanse, to | **ʔal-* | 627 |
| clear | **c'ar-a* or **č'ar-a* | 310 |
| | **gal-a* | 360 |
| | **hal-a* | 690 |
| | **wil$^y$-a* | 833 |
| clear, to be or become | **c'ar-* or **č'ar-* | 310 |
| | **gal-* | 360 |
| clear, to make | **c'ar-* or **č'ar-* | 310 |
| | **k$^h$al-* | 410 |
| clearness | **hal-a* | 690 |
| cleave, to | **bad-* | 5 |
| | **bak'-* | 17 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$p^h$al- | 87 |
| | *$p^h$as$^y$- | 109 |
| | *$p^h$il$^y$- | 133 |
| | *dun$^y$- | 180 |
| | *$c^h$al- | 305 |
| climb on, to | *ʔor$^y$-V-g- | 678 |
| | *ʕar-V-g- | 756 |
| climbing | *ʕar-g-a | 756 |
| cling to, to | *$p^h$id- | 117 |
| clip, to | *k'ir- or *k'ur- | 491 |
| clipping | *$k^h$as-a | 431 |
| close | *t'an-a | 226 |
| close, to | *$c^h$u$k^h$- | 307 |
| | *k'a$p^h$- | 478 |
| closeness | *t'an-a | 226 |
| closure | *$c^h$u$k^h$-a | 307 |
| cloth | *$k^h$a$t^h$-a | 433 |
| clothe, to | *$k^h$ad- | 405 |
| cloud | *p'ul$^y$-a | 141 |
| | *dum-a | 177 |
| | (*dum-k'$^w$-a >) *dun-k'$^w$-a | 178 |
| cloud, (dark) | *t'uq'$^w$-a | 247 |
| cloud, storm | *nab-a | 918 |
| cloud over, to | *dum- | 177 |
| cloudy | *dum-a | 177 |
| | (*dum-k'$^w$-a >) *dun-k'$^w$-a | 178 |
| | *ħag-a | 704 |
| cloudy, to be | *t'uq'$^w$- | 247 |
| cloudy sky | *nab-a | 918 |
| cloudy weather | *ħag-a | 704 |
| club (= weapon) | *k'an-a | 472 |
| | *k'$^w$aħ-a | 534 |
| | *q'$^w$al-a | 590 |
| clump | *k'um-a | 501 |
| clutch, to | *$p^h$id- | 117 |
| | *$k^h$am- or *$q^h$am- | 413 |
| coarse | *bar-a | 29 |
| | *t'$^y$ar-a | 269 |
| | *$k^h$ar-a | 427 |
| coarse, that which is | *t'$^y$ar-a | 269 |
| coarse, to be | *bar- | 29 |
| | *t'$^y$ar- | 269 |
| coarseness | *bar-a | 29 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$k^h$ar-a | 427 |
| coil (= loop; cord) | *c'ur-a | 314 |
| | *mar-a | 879 |
| cold (= chill; chilly) | *$k^h$ir-a | 444 |
| | *k'ul$^y$-a | 499 |
| | *k'$^w$ar-a | 540 |
| | *q'in-a | 584 |
| cold, to be | *$k^h$ir- | 444 |
| | *k'$^w$ar- | 540 |
| cold, to be or become | *k'ul$^y$- | 499 |
| | *q'in- | 584 |
| coldness | *k'ul$^y$-a | 499 |
| | *k'$^w$ar-a | 540 |
| collapse | *$p^h$ul-a | 125 |
| collapse (from shaking) | *rag-a | 963 |
| collapse, to | *$p^h$ul- | 125 |
| collect, to | *gid- or *ɢid- | 381 |
| | *$k^h$am- | 415 |
| | *k'er- | 490 |
| | *ʔas- | 645 |
| | *wot$^h$- | 837 |
| | *lak'- | 950 |
| collect (with the hands or arms), to | *ħap$^h$- | 719 |
| collected | *lak'-a | 950 |
| collected, that which as been | *ħap$^h$-a | 719 |
| collecting, the act of | *ʔas-a | 645 |
| collection | *gid-a or *ɢid-a | 381 |
| | *$k^h$am-a | 415 |
| | *k'er-a | 490 |
| | *ɢam-a | 558 |
| | *lak'-a | 950 |
| collection of things bound together | *bag-a | 12 |
| comb | *$t^h$ar-a | 199 |
| | *war-a | 814 |
| comb, to | *t͡ɬ$^h$iʕ-V-r- | 604 |
| | *war- | 814 |
| combination of two things, any | *$k^h$ol$^y$-a | 446 |
| combine two things together, to | *$k^h$ol$^y$- | 446 |
| come, to | *buw- | 80 |
| | *ɢal- | 555 |
| | *ʔiy- | 673 |
| | *naʕ- | 916 |
| come (close to), to | *ʔan$^y$- | 634 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| come into being, to | *buw- | 81 |
| | *k'al- | 466 |
| | *nʸaʕ-V-r- | 937 |
| | *liʔ- | 960 |
| come into view, to | *wilʸ- | 833 |
| come to, to | *dʸiʔ- | 254 |
| | *tʸʰar- | 259 |
| | *ħin-V-kʰ- | 736 |
| come to an end, to | *kʷʰal- | 516 |
| come together, to | *k'atʰ- | 483 |
| | *ɢam- | 558 |
| coming | *buw-a | 80 |
| coming, the act of | *ɢal-a | 555 |
| command | *ħak'-a | 707 |
| command, to | *ħak'- | 707 |
| commerce | *wos-a | 836 |
| common, to be | *ʔek'- | 659 |
| compact | *tʰik'-a | 207 |
| companion | *ʔar-a | 643 |
| complete, to | *kʷʰal- | 516 |
| completion | *kʷʰal-a | 516 |
| comprehension | *k'anʸ-a | 475 |
| compression | *k'um-a | 501 |
| compulsion | *gid-a or *ɢid-a | 381 |
| conceal, to | *pʰal- | 94 |
| | *qʰam- | 572 |
| | *ħag- | 704 |
| concept | *ʕeŋ-a | 759 |
| condemnation | *sadʸ-a | 316 |
| condyle (of the lower jaw, the shoulder, the elbow, the hip, etc.) | *ʔom-a | 675 |
| confine, to | *hak'- | 689 |
| confuse, to | *bul- | 67 |
| | *dul- | 173 |
| confused, to be | *dal- | 149 |
| | *diɢ- | 164 |
| | *dul- | 173 |
| | *makʰ- | 855 |
| | *mal- | 866 |
| confusion | *bul-a | 67 |
| | *diɢ-a | 164 |
| | *dul-a | 173 |
| | *k'al-a | 465 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$mak^h$-a | 855 |
| | *mal-a | 866 |
| conglomeration | *$k'at^h$-a | 483 |
| connection | *$t\underset{\smile}{ɬ}'$im-a | 611 |
| conquest | *wel-a | 828 |
| consider, to | *day- | 160 |
| | *$t'^y$iŋ- | 274 |
| | *saħ- or *šaħ- | 318 |
| | *ʕeŋ- | 759 |
| | *man- | 868 |
| consideration | *day-a | 160 |
| | *$t'^y$iŋ-a | 274 |
| | *saħ-a or *šaħ-a | 318 |
| constrict, to | *ħan-V-g- | 717 |
| constricted | *ħan-g-a | 717 |
| construct, to | *k'ad- | 458 |
| | *$rak^h$- | 965 |
| construct (something) in a skillful manner, to | *t'am- | 225 |
| constructed in a skillful manner, that which is | *t'am-a | 225 |
| constructing, the act of | *$rak^h$-a | 965 |
| constructing (something) in a skillful manner, the act of | *t'am-a | 225 |
| consume, to | *ʔit'- | 672 |
| container | *$k^hap^h$-a | 420 |
| contend, to | *mar- | 877 |
| control, to | *rak'- | 967 |
| convey, to | *day- | 161 |
| | *wig- | 832 |
| conveyance | *wig-a | 832 |
| (cook, to) | *$p^hek^{wh}$- | 115 |
| cook, to | *t'ab- | 217 |
| | *gub- | 391 |
| | *k'al- | 464 |
| | *$ʔep^h$- | 663 |
| (cooked) | *$p^hek^{wh}$-a | 115 |
| cooked | *t'ab-a | 217 |
| cooking | *k'al-a | 464 |
| cooking, that which is used for | *gub-a | 391 |
| cooking, the act of | *gub-a | 391 |
| | *$ʔep^h$-a | 663 |
| copious | *man-g-a | 872 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| copulate (with), to | *ʔor$^{y}$-V-g- | 678 |
| copulate with, to | *man$^{y}$- | 873 |
| copulation | *ʔor$^{y}$-g-a | 678 |
| cord | *p$^{h}$ir-a | 121 |
| | *s$^{y}$ir-a | 285 |
| | *ǯal-a | 332 |
| | *gur-a | 397 |
| | *k'aŋ-a | 473 |
| | *mar-a | 879 |
| | *rak$^{h}$-a | 964 |
| cord-like object, any | *s$^{y}$ir-a | 285 |
| core | *k$^{h}$ar-a | 430 |
| corner | *gaŋ-a | 368 |
| | *gol-a | 389 |
| correct | *woy-k$^{h}$-a | 839 |
| correctness | *woy-k$^{h}$-a | 839 |
| cot | *k$^{h}$ay-a | 438 |
| count, to | *xal- | 770 |
| | *man- | 868 |
| counting | *man-a | 868 |
| country, (open) | *q'an-a | 580 |
| couple | *k$^{h}$ol$^{y}$-a | 446 |
| couple, to | *k$^{h}$ol$^{y}$- | 446 |
| course | *gir$^{y}$-a or *ɢir$^{y}$-a | 388 |
| course, winding | *dar-a | 152 |
| cover | *bur-a | 77 |
| | *c$^{h}$uk$^{h}$-a | 307 |
| cover, to | *bur- | 77 |
| | *p$^{h}$al- | 94 |
| | *p$^{h}$ar$^{y}$- | 106 |
| | *t'aq'- | 229 |
| | *c$^{h}$uk$^{h}$- | 307 |
| | *k$^{h}$ad- | 405 |
| | *k'ap$^{h}$- | 478 |
| | *q$^{h}$am- | 572 |
| | *γam- | 782 |
| cover over, to | *dum- | 177 |
| | *t$^{h}$um- | 214 |
| | *t'$^{y}$al- and/or *t'$^{y}$il- | 266 |
| | *ħag- | 704 |
| cover up, to | *p$^{h}$ač'- | 83 |
| covering | *bur-a | 77 |
| | *p$^{h}$ač'-a | 83 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$p^h$al-a | 94 |
| | *$p^h$ar$^y$-a | 106 |
| | *t'aq'-a | 229 |
| | *t'$^y$al-a and/or *t'$^y$il-a | 266 |
| | *$k^h$ad-a | 405 |
| | *k'ap$^h$-a | 478 |
| | *$q^h$am-a | 572 |
| cow | *k'$^w$ow-a | 551 |
| | *ʔaħ-a | 619 |
| crack (= break; fracture; rift) | *bad-a | 5 |
| | *bak'-a | 17 |
| | *$p^h$ač$^h$-a | 82 |
| | *$p^h$al-a | 87 |
| | *$p^h$il$^y$-a | 133 |
| | *t$^y$$^h$al-m-a | 258 |
| | *$c^h$al-a | 305 |
| | *tɬ$^h$al-a | 598 |
| | *haŋ-a | 695 |
| crackling sound | *k'ak'-a | 459 |
| craft (= work; trade) | *t'am-a | 225 |
| | *k$^{wh}$ir-a | 529 |
| craftsman | *t'am-a | 225 |
| cram, to | *t$^h$ur- | 216 |
| cram together, to | *hak'- | 689 |
| crammed | *k'$^w$aħ-a | 534 |
| cramming | *ʒag-a | 293 |
| crane (= large wading bird) | *k'or-a or *k'ar-a | 493 |
| (craziness) | *dul-a | 173 |
| (crazy, to be) | *dul- | 173 |
| (crazy, to drive someone) | *dul- | 173 |
| creak, to | *$q^h$ar$^y$- | 573 |
| create, to | *t$^h$ik$^h$- | 206 |
| | *k'an- | 469 |
| | *k$^{wh}$ey- | 527 |
| create something, tool used to | *t$^h$ik$^h$-a | 206 |
| creating something, the act of | *t$^h$ik$^h$-a | 206 |
| creation | *bad-a | 10 |
| | *k$^{wh}$ey-a | 527 |
| crevice | *haŋ-a | 695 |
| croak, to | *$q^h$ar$^y$- | 573 |
| crooked | *dar-a | 152 |
| | *$k^h$on-k'-a, *$k^h$ok'-a | 447 |
| | *k'ar-a | 481 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *wan-a | 810 |
| crooked, that which is | *k'un-a | 504 |
| crooked, to be | *$k^h$on-V-k'-, *$k^h$ok'- | 447 |
| crossing | *$p^h$ar-a | 105 |
| crowd | *$k^h$um-a | 450 |
| | *ɢam-a | 558 |
| | *man-a | 871 |
| | *man-g-a | 872 |
| crown of head | *$k^h$ir-a | 443 |
| crumb | *mol-a | 899 |
| crumb(s) | *$č^h$e$č^h$-a | 337 |
| crush, to | *bit'$^y$- | 54 |
| | *bul- | 69 |
| | *diq$^h$- | 167 |
| | *t'aħ- | 219 |
| | *$c^h$aħ- | 304 |
| | *$č^h$e$č^h$- | 337 |
| | *k'$^w$ar- | 542 |
| | *ɢar- | 560 |
| | *q'am- | 579 |
| | *ħur- | 743 |
| | *wal- | 803 |
| | *was$^y$- | 820 |
| | *mel- | 890 |
| | *mol- | 899 |
| | *mur- | 905 |
| | *nad$^y$- | 919 |
| crush into pieces, to | *gin- | 385 |
| crushed | *ɢar-a | 560 |
| | *mol-a | 899 |
| | *mur-a | 905 |
| crushed, anything | *nad$^y$-a | 919 |
| crushed, that which is | *$č^h$e$č^h$-a | 337 |
| crushing | *$c^h$aħ-a | 304 |
| crushing, the act of | *$c^h$aħ-a | 304 |
| | *$č^h$e$č^h$-a | 337 |
| | *gin-a | 385 |
| | *ɢar-a | 560 |
| | *was$^y$-a | 820 |
| crust | *k'$^w$oy-a | 552 |
| cry | *ǯaħ-a | 331 |
| | *k'ar-a | 479 |
| | *ɢar-a | 559 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | **ʛar-ʛar-a* | 559 |
| | **q'$^{w}$al-a* | 588 |
| | **q'$^{w}$ar-a* or **q'$^{w}$ur-a* | 592 |
| | **waʕ-a* | 793 |
| | **wal-a* | 799 |
| | **wat$^{h}$-a* | 823 |
| cry, to | **k$^{h}$at$^{h}$-* | 435 |
| cry (out), to | **ʒaħ-* | 331 |
| | **k'ar-* | 479 |
| | **q'$^{w}$al-* | 588 |
| cry out, to | **gal-* | 361 |
| | **q'$^{w}$ar-* or **q'$^{w}$ur-* | 592 |
| | **waʕ-* | 793 |
| | **wal-* | 799 |
| crying | **k$^{h}$at$^{h}$-a* | 435 |
| cudgel | **k'an-a* | 472 |
| | **k'$^{w}$aħ-a* | 534 |
| cuff (= stroke; blow) | **k'an-a* | 472 |
| | **k'ud-a* | 495 |
| cup | **k$^{h}$ap$^{h}$-a* | 420 |
| current (= stream) | **d$^{y}$aw-a* | 252 |
| | **ʒar-a* or **ʒar-a* | 296 |
| | **ħap$^{h}$-a* | 720 |
| curvature | **k'un-a* | 504 |
| curve | **dar-a* | 152 |
| | **k$^{h}$ar-a* | 424 |
| | **k'um-a* | 502 |
| | **k'un-a* | 504 |
| | **ħan-a* | 716 |
| | **wan-a* | 810 |
| | **mur-a* | 906 |
| curve, to | **k'um-* | 502 |
| | **ʛ$^{w}$al-* | 585 |
| | **ħan-* | 716 |
| curve round, to | **k'aw-* | 484 |
| curved | **dar-a* | 152 |
| | **k$^{h}$ar-a* | 424 |
| | **k$^{h}$on-k'-a*, **k$^{h}$ok'-a* | 447 |
| | **k'ar-a* | 481 |
| | **k'aw-a* | 484 |
| | **ṯɬ'il-a* | 610 |
| | **wan-a* | 810 |
| curved, that which is | **k'un-a* | 504 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ɢub-a | 569 |
| curved, to be | *$k^h$on-V-k'-, *$k^h$ok'- | 447 |
| | *t͡ɬ'il- | 610 |
| curved down, to be or become | *lam- | 952 |
| | *lam-V-d- | 952 |
| curved object | *gam-a | 365 |
| | *k'um-a | 503 |
| curved thing or object | *t͡ɬ'il-a | 610 |
| custody | *$k^h$al-a | 409 |
| cut | *baħ-a | 15 |
| | *ban-a | 24 |
| | *dum-a | 175 |
| | *$t^h$ar-a | 196 |
| | *t'ar-a | 230 |
| | *$c^h$al-a | 305 |
| | *gad-a | 355 |
| | *gal-a | 357 |
| | *gar-a | 370 |
| | *$k^h$ar-a | 422 |
| | *$k^h$as-a | 431 |
| | *k'ir-a or *k'ur-a | 491 |
| | *$k^{wh}$ar-a | 520 |
| | *$q^h$al-a | 571 |
| | *t͡ɬ$^h$ar-a | 600 |
| | *t͡ɬ$^h$ut'-a | 608 |
| | *waŋ-a | 811 |
| | *wed-a | 827 |
| | *row-a | 974 |
| cut, that which is | *č'ir-a | 341 |
| | *ħaʒ-a | 735 |
| cut, to | *baħ- | 15 |
| | *ban- | 24 |
| | *dal- | 148 |
| | *t'ar- | 230 |
| | *t'$^y$ar- | 271 |
| | *t'$^y$ar-a | 271 |
| | *$c^h$al- | 305 |
| | *$sak^h$- | 319 |
| | *č'ir- | 341 |
| | *gad- | 355 |
| | *gar- | 370 |
| | *$k^h$ar- | 422 |
| | *k'ir- or *k'ur- | 491 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$k^{wh}$ar- | 519 |
| | *k'$^{w}$at'- | 548 |
| | *$q^{h}$al- | 571 |
| | *q'$^{w}$al- | 589 |
| | *t͡ɬ$^{h}$ar- | 600 |
| | *t͡ɬ$^{h}$ut'- | 608 |
| | *waŋ- | 811 |
| | *miʔ- | 893 |
| cut a groove, to | *$k^{wh}$ar- | 520 |
| cut apart, to | *p'ut'- | 142 |
| | *row- | 974 |
| cut in half, to | *t'uʔ$^{w}$- | 243 |
| cut in two, to | *k'ir- or *k'ur- | 491 |
| cut into, to | *bar- | 35 |
| | *č'ir- | 341 |
| | *$k^{h}$ar- | 422 |
| | *k'ir- or *k'ur- | 491 |
| | *t͡ɬ$^{h}$ar- | 600 |
| | *t͡ɬ$^{h}$ar-V-t'- | 601 |
| | *ħaʒ- | 735 |
| | *xat'- | 775 |
| cut into, that which is | *č'ir-a | 341 |
| cut into small pieces, to | *t'$^{y}$ak$^{h}$- | 265 |
| | *k'ep'- | 488 |
| cut (off), to | *dum- | 175 |
| | *gad-a | 355 |
| cut (off, apart), to | *ʔar- | 641 |
| cut off, that which is | *č'ir-a | 341 |
| cut off, to | *baħ- | 15 |
| | *bir- | 51 |
| | *p'ut'- | 142 |
| | *dun$^{y}$- | 180 |
| | *č'ir- | 341 |
| | *gal- | 357 |
| | *$k^{h}$ar- | 422 |
| | *$k^{h}$as- | 431 |
| | *k'ir- or *k'ur- | 491 |
| cut-off piece or part | *p'ut'-a | 142 |
| cut open, to | *t͡ɬ$^{h}$al- | 598 |
| cut short, to | *$k^{wh}$ar- | 521 |
| cut through, to | *č'ir- | 341 |
| cuts, that which | *č'ir-a | 341 |
| | *gad-a | 355 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *gar-a | 370 |
| | *t͡ɬʰar-a | 600 |
| | *ħaʒ-a | 735 |
| cutter | *ʔakʰ-a | 623 |
| cutting | *kʰas-a | 431 |
| cutting instrument | *k'ʷat'-a | 548 |
| | *miʔ-a | 893 |
| cutting into small pieces, the act of | *k'ep'-a | 488 |
| cutting off, the act of | *bir-a | 51 |
| cuttings | *bar-a | 35 |
| dagger | *sakʰ-a | 319 |
| | *waŋ-a | 811 |
| damage | *t'aw-a | 233 |
| | *t'ʸar-a | 271 |
| | *k'ʷed-a | 549 |
| | *qʰal-a | 571 |
| | *nikʰ-a | 931 |
| damage, to | *k'ʷed- | 549 |
| damp | *wal-a | 801 |
| | *nat'-a | 927 |
| dampness | *wal-a | 801 |
| | *nat'-a | 927 |
| dancing | *raq'-a | 968 |
| dangle, to | *dulʸ- | 174 |
| | *t͡ɬʰuŋ-V-kʰ- | 607 |
| dark | *bal-a | 18 |
| | *borʸ-a | 56 |
| | *dar-a | 154 |
| | *dum-a | 177 |
| | (*dum-k'ʷ-a >) *dun-k'ʷ-a | 178 |
| | *tʰum-a | 214 |
| | *kʰar-a | 429 |
| | *k'ar-a | 480 |
| | *ħag-a | 704 |
| | *mar-a | 882 |
| | *rum-a | 975 |
| dark, that which is | *bul-a | 68 |
| dark, to be | *t'uq'ʷ- | 247 |
| dark, to be or become | *bal- | 18 |
| | *dar- | 154 |
| | *γam- | 782 |
| dark, to become | *dum- | 177 |
| | *tʰum- | 214 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | **rum-* | 975 |
| dark, to grow | **rum-* | 975 |
| dark, to make | **dum-* | 177 |
| | **t'ʸal-* and/or **t'ʸil-* | 266 |
| dark cloud | **k'ar-a* | 480 |
| dark-colored | **borʸ-a* | 56 |
| | **k'ar-a* | 480 |
| dark-colored, that which is | **bul-a* | 68 |
| dark color | **borʸ-a* | 56 |
| dark spot | **dar-a* | 154 |
| darken, to | **dum-* | 177 |
| | **rum-* | 975 |
| darkness | **bal-a* | 18 |
| | **dar-a* | 154 |
| | **dum-a* | 177 |
| | (**dum-k'ʷ-a* >) **dun-k'ʷ-a* | 178 |
| | **tʰum-a* | 214 |
| | **t'uq'ʷ-a* | 247 |
| | **t'ʸal-a* and/or **t'ʸil-a* | 266 |
| | **kʰar-a* | 429 |
| | **k'ar-a* | 480 |
| | **ħag-a* | 704 |
| | **γam-a* | 782 |
| | **rum-a* | 975 |
| daughter-in-law | **k'el-a* | 486 |
| | **nusʸ-a* | 935 |
| day | **daɢ-a* | 147 |
| daylight | **dilʸ-a* | 165 |
| (deadly) disease | **daw-a* | 158 |
| deal (= trade; exchange), to | **wos-* | 836 |
| death | **daw-a* | 158 |
| | **ʒaʔ-a* | 329 |
| | **k'ʷed-a* | 549 |
| | **q'ʷal-a* | 589 |
| | **ħul-a* | 741 |
| | **wed-a* | 827 |
| | **marʸ-a* | 885 |
| deathly sick, to become | **daw-* | 158 |
| debilitated | **ʔeb-a* | 657 |
| debilitated, to be | **nusʸ-* | 936 |
| debilitated, to become | **ʔeb-* | 657 |
| decay | **bul-a* | 69 |
| | **tʰaħ-a* | 185 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *k'$^{w}$ed-a | 549 |
| | *was$^{y}$-a | 820 |
| decay, to | *bad- | 9 |
| | *k'er- | 489 |
| | *k'$^{w}$ed- | 549 |
| | *was$^{y}$- | 820 |
| | *mar$^{y}$- | 885 |
| decayed | *k'er-a | 489 |
| deceive, to | *mak$^{h}$- | 855 |
| deceived, to be | *mak$^{h}$- | 855 |
| deception | *mak$^{h}$-a | 855 |
| declaration | *bak$^{h}$-a | 16 |
| declare, to | *bak$^{h}$- | 16 |
| decline | *bul-a | 69 |
| decomposition | *was$^{y}$-a | 820 |
| decrease | *ʔek'-a | 659 |
| | *nus$^{y}$-a | 934 |
| decrease, to | *k'al- | 463 |
| | *k$^{wh}$ar- | 521 |
| | *ʔek'- | 659 |
| decree | *ħak'-a | 707 |
| decrepit | *ʒaw-a | 333 |
| deed | *daw-a | 157 |
| | *day-a | 159 |
| | *t$^{h}$ik$^{h}$-a | 206 |
| | *k$^{wh}$ey-a | 527 |
| deep | *ʕam-a | 749 |
| deep place | *ʕam-a | 749 |
| deer | *ʔil-a (~ *ʔel-a) | 668 |
| defeat | *wel-a | 828 |
| deficiency | *k'al-a | 463 |
| | *ʔek'-a | 659 |
| | *ħiw-a, *ħiy-a | 737 |
| deficit | *gaʔ-a | 350 |
| deliberation | *ʕeŋ-a | 759 |
| delicate | *nus$^{y}$-a | 934 |
| delicate, to be | *nus$^{y}$- | 934 |
| delight | *p$^{h}$ar-a | 98 |
| delighted with, to be | *p$^{h}$ar- | 98 |
| deluge | *ʔib-a | 666 |
| | *ħaw-a | 730 |
| | *wel$^{y}$-a | 830 |
| dense | *t'an-a | 226 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *k'an-a | 471 |
| density | *t'an-a | 226 |
| | *k'an-a | 471 |
| depart, to | *gaʔ- | 350 |
| | *γor- | 784 |
| | *γor-V-b- | 784 |
| | *wal- | 800 |
| departing | *bar-a | 37 |
| departure | *γor-a | 784 |
| | *γor-b-a | 784 |
| | *wal-a | 800 |
| deprivation | *bad-a | 8 |
| | *gaʔ-a | 350 |
| deprive of, to | *k'al- | 463 |
| deprived of | *gaʔ-a | 350 |
| depth | *t'al-a | 222 |
| deride, to | *ʒak'- | 295 |
| descendant | *$p^h as^y$-a | 110 |
| | *$p^h$ir-a | 119 |
| | *ʔum-a | 684 |
| | *$n^y ap^h$-a | 940 |
| desire | *t'el-a | 237 |
| | *haw-a | 697 |
| | *win-a or *wiŋ-a | 834 |
| desire, ardent | *$man^y$-a | 873 |
| desire, to | *haw- | 697 |
| | *win- or *wiŋ- | 834 |
| desire passionately, to | *$man^y$- | 873 |
| desolate | *bar-a | 38 |
| desolate, to be or become | *bar- | 38 |
| desolated area | *bad-a | 6 |
| destroy, to | *$c^h$aħ- | 304 |
| | *$k'^w$ed- | 549 |
| | *ħal- | 708 |
| | *ħul- | 741 |
| | *mur- | 905 |
| destoyed | *mur-a | 905 |
| destruction | *$gup^h$-a | 395 |
| | *$k'^w$ed-a | 549 |
| | *$q'^w$al-a | 589 |
| | *ħal-a | 708 |
| | *ħul-a | 741 |
| | *$nik^h$-a | 931 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| detach, to | *law- | 957 |
| detention | *$k^h$al-a | 409 |
| deteriorate, to | *$s^y$en$^y$- | 282 |
| devoted to, to be | *mal- | 860 |
| dew | *t'al$^y$-a | 224 |
| | *mat'-a | 888 |
| die, to | *daw- | 158 |
| | *ʒaʔ- | 329 |
| die (from a fatal disease), to | *mar$^y$- | 885 |
| difference | *ʔaŋ-a | 637 |
| different | *$t^y$$^h$in-a | 260 |
| | *ʔaŋ-a | 637 |
| difficulty | *k'ac$^h$-a | 456 |
| | *wal-a | 803 |
| | *muŋ-a | 904 |
| difficulty, to be in | *muŋ- | 904 |
| difficulty, to cause | *muŋ- | 904 |
| dig, that which is used to | *ɢar-a | 561 |
| | *ʔak$^h$-a | 623 |
| dig, to | *$k^h$ay-V-w- | 440 |
| | *$k^{wh}$ar- | 520 |
| | *ɢar- | 561 |
| | *ʔak$^h$- | 623 |
| dig out, to | *gal- | 358 |
| | *gup$^h$- | 395 |
| | *ɢar- | 561 |
| dig up, to | *ɢar- | 561 |
| | *wur$^y$- | 842 |
| digging | *$k^{wh}$ar-a | 520 |
| | *ʔak$^h$-a | 623 |
| digging out, the act of | *gal-a | 358 |
| diligence | *$q^h$ad-a | 570 |
| diminish, to | *$t^h$aħ- | 185 |
| | *k'al- | 463 |
| | *$k^{wh}$ar- | 521 |
| | *ʔek'- | 659 |
| diminished, to be or become | *k'al- | 463 |
| diminishment | *ʔek'-a | 659 |
| | *nus$^y$-a | 934 |
| dip (= plunge; immersion) | *mus$^y$-a | 909 |
| | *mus$^y$-k'-a | 909 |
| dip, to | *ʕam- | 749 |
| dip in water, to | *mus$^y$- | 909 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$mus^y$-V-k'- | 909 |
| dip into, to | *t'al- | 222 |
| direct, to | *ħak'- | 707 |
| direction | *$q^h$ad-a | 570 |
| | *ħak'-a | 707 |
| dirt | *t'uq'$^w$-a | 247 |
| | *k'ar-a | 480 |
| | *mar-a | 882 |
| dirty | *k'ar-a | 480 |
| | *mar-a | 882 |
| dirty, to be | *t'uq'$^w$- | 247 |
| disagree, to | *mar- | 877 |
| disclose, to | *$k^h$al- | 410 |
| discourse | *t'il-a | 239 |
| disease | *gal-a | 362 |
| | *$nus^y$-a | 936 |
| disease, (deadly) | *daw-a | 158 |
| disheartened, to be | *ħag- | 703 |
| disjoined | *ʔar-a | 641 |
| dispersed | *$t^h$ar-a | 195 |
| dispute | *bur-a | 73 |
| | *mar-a | 877 |
| dispute, to | *mar- | 877 |
| dissipate, to | *bad- | 5 |
| dissipation | *bad-a | 6 |
| | *$t^h$aħ-a | 185 |
| dissolve, to | *ɢar- | 560 |
| dissolved | *ɢar-a | 560 |
| distance | *t'aw-a | 232 |
| | *ʔut'-a | 686 |
| distant | *$k^{wh}$al- | 517 |
| distinction | *mag-a | 850 |
| distress | *bad-a | 7 |
| | *k'al-a | 465 |
| | *ħag-a | 703 |
| | *wal-a | 803 |
| | *muŋ-a | 904 |
| distress, to be in | *muŋ- | 904 |
| distress, to cause | *muŋ- | 904 |
| distressed, to be | *ħag- | 703 |
| distribute, to | *bay- | 40 |
| disturb, to | *dal- | 149 |
| | *dul- | 173 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ɢal- | 557 |
| | *nad$^{y}$- | 920 |
| disturbance | *dal-a | 149 |
| | *dul-a | 173 |
| | *dul$^{y}$-a | 174 |
| | *gal-a | 361 |
| | *k'al-a | 465 |
| | *ɢal-a | 557 |
| | *nad$^{y}$-a | 920 |
| disturbed, to be | *dal- | 149 |
| | *dul- | 173 |
| | *ɢal- | 557 |
| | *mal- | 866 |
| ditch | *ɢar-a | 561 |
| | *ʔak$^{h}$-a | 623 |
| | *wur$^{y}$-a | 842 |
| dive into, to | *t'al- | 222 |
| dive into water (bird), to | *ħaŋ- | 718 |
| divide, to | *p$^{h}$ar- | 99 |
| | *šiħ- | 347 |
| | *k$^{h}$as- | 431 |
| | *ʔaŋ- | 637 |
| | *xal- | 770 |
| | *law- | 957 |
| divide into shares, to | *bay- | 40 |
| divide into two parts, to | *t'uʔ$^{w}$- | 243 |
| division | *t'aħ-a | 219 |
| | *šiħ-a | 347 |
| | *k$^{h}$as-a | 431 |
| | *xal-a | 770 |
| | *law-a | 957 |
| division into two | *t'uʔ$^{w}$-a | 243 |
| do, to | *daw- | 157 |
| | *k$^{h}$am- | 414 |
| | *k$^{wh}$ey- | 527 |
| do something slowly, to | *hak$^{h}$- | 688 |
| do together, to | *ɢam- | 558 |
| do well, to | *c'al- or *č'al- | 308 |
| dog | *k$^{h}$uwan-a or *k$^{h}$un-a | 454 |
| down | *c'ar- | 309 |
| | *k$^{h}$at$^{h}$- | 434 |
| downpour | *bal-a | 19 |
| | *ʒar-a or *ǯar-a | 296 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| drag | *$t^h$ar-a | 194 |
| drag, to | *$t^h$ar- | 194 |
| dragged along, something | *$t^h$ar-a | 194 |
| dragging | *wal-a | 798 |
| draw, to | *$t^h$ar- | 194 |
| draw near to, to | *ʔan$^y$- | 634 |
| draw (out), to | *mal- | 862 |
| draw out, to | *mad- | 848 |
| | *mat'- | 887 |
| | *rak'- | 966 |
| drawing, the act of | *rak'-a | 966 |
| drawn out | *rak'-a | 966 |
| dried mucous | *$p^h$ak$^h$-a | 85 |
| dried up | *$t^h$ar-a | 198 |
| drill, to | *dur- | 181 |
| drink (= beverage) | *$t^h$ar-a | 200 |
| | *šaw-a | 344 |
| drink, to | *$t^h$ar- | 200 |
| | *šaw- | 344 |
| | *ʕun$^y$- | 765 |
| drinking, the act of | *$t^h$ar-a | 200 |
| drip | *ʒil-a or *ǯil-a | 298 |
| | *k'$^w$al$^y$-a | 536 |
| drip, to | *ban- | 22 |
| | *t'al$^y$- | 224 |
| | *k'$^w$al$^y$- | 536 |
| drive, to | *ʒag- | 292 |
| drive away, to | *gus- | 398 |
| drive together, to | *gid- or *ɢid- | 381 |
| drizzle | *duw-a | 183 |
| | *t'al$^y$-a | 224 |
| | *ʒar-a or *ǯar-a | 296 |
| drop (of water, rain, dew, etc.) | *ban-a | 22 |
| | *ʒil-a or *ǯil-a | 298 |
| drop, (rain) | *t'al$^y$-a | 224 |
| drop down, to | *k$^h$at$^h$- | 434 |
| dropping | *ʒil-a or *ǯil-a | 298 |
| drops, to fall in | *t'al$^y$- | 224 |
| drunk | *$t^h$ar-a | 200 |
| dry | *$t^h$ar-a | 198 |
| | *c'aw-a | 311 |
| | *c'aw-l$^y$-a | 311 |
| dry, that which is | *c'aw-a | 311 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *c'aw-$l^y$-a | 311 |
| dry, to be | *$s^y$aw- | 278 |
| dry, to be or become | *c'aw- | 311 |
| | *c'aw-V-$l^y$- | 311 |
| dry place | *$s^y$aw-a | 278 |
| dry up, to | *$t^h$ar- | 198 |
| | *was$^y$- | 820 |
| dryness | *$t^h$ar-a | 198 |
| | *$s^y$aw-a | 278 |
| duck (= aquatic bird) | *gaŋ-a | 367 |
| duck down, to | *lam- | 952 |
| | *lam-V-d- | 952 |
| dug (out), that which is | *ɢar-a | 561 |
| dug, that which is | *ʔak$^h$-a | 623 |
| dullness | *$t^{yh}$um-a | 263 |
| (dumb, to be) | *dul- | 173 |
| dusk | *rum-a | 975 |
| dust | *duw-a | 183 |
| | *$t^h$or$^y$-a | 210 |
| | *t'uq'$^w$-a | 247 |
| dusty, to be | *t'uq'$^w$- | 247 |
| dwell, to | *q'$^w$ad- | 587 |
| | *man- | 869 |
| dwelling | *buw-a | 80 |
| | *k$^h$ay-a | 438 |
| | *q'$^w$ad-a | 587 |
| | *ʔil-a | 667 |
| | *wan-a | 807 |
| | *man-a | 869 |
| eagle | *ħur-a (and/or *ħer-a ?) | 742 |
| ear | *k$^h$ul-a | 448 |
| | *q'$^w$ar$^y$-a or *q'$^w$ur$^y$-a | 593 |
| earth | *diq$^h$-a | 167 |
| | *$t^h$or$^y$-a | 210 |
| | *ʔer-a | 664 |
| | *ʔul-a | 682 |
| | *ħak'-a | 706 |
| | *mag-a | 851 |
| eat, to | *bal- | 20 |
| | *bur- | 76 |
| | *p$^h$aħ- | 84 |
| | *q'am- | 579 |
| | *ʔak$^h$- | 621 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ʔit'- | 672 |
| | *ham- | 694 |
| | *ʕun$^{y}$- | 765 |
| eat greedily, to | *lab- | 943 |
| eaten, that which is | *ʔit'-a | 672 |
| eating | *lab-a | 943 |
| eating, the act of | *ʔit'-a | 672 |
| edge | *s$^{y}$ub-a | 289 |
| | *ʒag-a | 294 |
| | *gaŋ-a | 368 |
| | *gol-a | 389 |
| | *k$^{h}$ar-a | 425 |
| | *q'$^{w}$ar-a | 591 |
| effort | *muk'-a | 901 |
| effort, to make an | *woy- | 838 |
| efforts, to make great | *muk'- | 901 |
| egg | *ʔow-ħ-a | 680 |
| | *mun-a | 903 |
| | *mun-d-a | 903 |
| eject, to | *wam- | 806 |
| elder sister | *ʔen$^{y}$a | 662 |
| eldest | *wan-a | 809 |
| elevate, to | *k'ul- | 498 |
| | *war- | 816 |
| elevated | *dim-a | 166 |
| | *sal-a | 321 |
| elevated, to be | *ʕal- | 747 |
| elevated place | *dim-a | 166 |
| elevation | *ħon-a | 740 |
| else | *hal- | 691 |
| emaciated, to be or become | *c'aw- | 311 |
| | *c'aw-V-l$^{y}$- | 311 |
| ember | *ħas-a | 726 |
| embers | *k$^{h}$um-a | 452 |
| | *k'$^{w}$am-a | 537 |
| embers, (burning) | *d$^{y}$ak$^{wh}$-a | 249 |
| embers, glowing | *k'al-a | 464 |
| embrace | *ħap$^{h}$-a | 719 |
| eminent | *mag-a | 850 |
| eminent, to be | *t͡ɬ$^{h}$ir- | 606 |
| | *mag- | 850 |
| emptiness | *č$^{h}$al-a | 335 |
| empty | *č$^{h}$al-a | 335 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| empty, to | *$\check{c}^h$al- | 335 |
| encircle, to | *c'ur- | 314 |
| encircles, that which | *c'ur-a | 314 |
| enclose, to | *c'ur- | 314 |
| | *gir- | 386 |
| enclosed space | *gul-a (~ *gol-a) | 393 |
| encloses, that which | *c'ur-a | 314 |
| enclosure | *c'ur-a | 314 |
| | *gir-a | 386 |
| end | *$t^h$al-a | 188 |
| | *$t^{yh}$ar-a | 259 |
| | *$s^y$ub-a | 289 |
| | *ǯaw-a | 333 |
| | *$k^{wh}$al-a | 516 |
| | *$k'^w$ad-a | 533 |
| | *ħul-a | 741 |
| end, to | *$k^{wh}$al- | 516 |
| endurance | *$t^h$al$^y$-a | 189 |
| endure, to | *bad- | 7 |
| | *$t^h$al$^y$- | 189 |
| | *$t^h$an$^y$- | 191 |
| endure, to cause to | *bad- | 7 |
| enduring, to be | *man- | 869 |
| engrave, to | *k'ir- or *k'ur- | 491 |
| | *xat'- | 775 |
| engraved line | *xat'-a | 775 |
| energy | *wak'-a | 796 |
| energy, to act with | *woy- | 838 |
| engraving | *bar-a | 35 |
| | *xat'-a | 775 |
| enjoy, to | *bir$^y$- | 52 |
| enlarge, to | *dar$^y$- | 155 |
| enough | *$t^h$ir-a | 208 |
| enough, to have | *$t^h$ir- | 208 |
| | *$t^h$ir-V-$p^h$- | 209 |
| enough, to have more than | *$t^h$ir- | 208 |
| entreat, to | *$p^h$ir- | 135 |
| entreaty | *$p^h$ir-a | 135 |
| entwine, to | *net'$^y$- | 929 |
| entwined, anything | *net'$^y$-a | 929 |
| entwining | *net'$^y$-a | 929 |
| enumerate, to | *t'il- | 239 |
| | *xal- | 770 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| erect, to be or become | *$gar^{y}$- | 374 |
| escape | *her-a and/or *hor-a | 701 |
| | *wal-a | 800 |
| escape, to | *her- and/or *hor- | 701 |
| escaped | *her-a and/or *hor-a | 701 |
| essence | *$k^{h}$ar-a | 430 |
| establish, to | *daw- | 157 |
| established | *ʔ$as^{y}$-a | 646 |
| established, to be | *man- | 869 |
| established, to be firmly | *dag- | 146 |
| esteemed, highly | *mag-a | 850 |
| esteemed, to be highly | *$t\underset{\smile}{ɬ}^{h}$ir- | 606 |
| | *mag- | 850 |
| evening | *γam-a | 782 |
| | *$nak^{wh}$-a | 924 |
| evident | *c'ar-a or *č'ar-a | 310 |
| | *gal-a | 360 |
| evident, to be or become | *c'ar- or *č'ar- | 310 |
| | *gal- | 360 |
| evil | *$t'^{y}$aw-a | 273 |
| | *ʔ$ak^{h}$-a | 622 |
| evil, to be | *ʔ$ak^{h}$- | 622 |
| exalted | *ʔad-a | 617 |
| | *mag-a | 850 |
| exalted, to be | *ʔad- | 617 |
| | *ʕal- | 747 |
| | *mag- | 850 |
| examination | *day-a | 160 |
| | *saħ-a or *šaħ-a | 318 |
| examine, to | *day- | 160 |
| | *saħ- or *šaħ- | 318 |
| excavation | *$k^{wh}$ar-a | 520 |
| exceed, to | *$d^{y}$iʔ- | 254 |
| | *c'al- or *č'al- | 308 |
| | *maħ- | 853 |
| | *mik'- | 896 |
| excellence | *mag-a | 850 |
| | *maħ-a | 853 |
| excess | *$t^{h}$ir-$p^{h}$-a | 209 |
| | *$gar^{y}$-a | 373 |
| | *mik'-a | 896 |
| excess, to be in | *mik'- | 896 |
| excite, to | *wak'- | 796 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| exhale, to | *$p^h$uw- | 138 |
| exhausted | *dal$^y$-a | 150 |
| | *$t^h$an$^y$-a | 192 |
| | *ʔeb-a | 657 |
| | *xal-a | 769 |
| exhausted (from straining, laboring), to become | *k'ac$^h$- | 456 |
| exhausted, to be or become | *was$^y$- | 819 |
| exhausted, to become | *ʔeb- | 657 |
| exhausted, to grow | *$t^h$an$^y$- | 192 |
| exhaustion | *dal$^y$-a | 150 |
| | *$t^h$an$^y$-a | 192 |
| | *ʔeb-a | 657 |
| | *xal-a | 769 |
| | *was$^y$-a | 819 |
| exist, to | *ʔil- | 667 |
| existence | *k'al-a | 466 |
| existing | *ʔil-a | 667 |
| expand, to | *bar- | 26 |
| | *bul- | 63 |
| | *bun- | 70 |
| | *bun-V-g- | 70 |
| | *$t^h$ar- | 195 |
| | *$k^h$aw- | 436 |
| | *war- | 815 |
| | *mad- | 848 |
| | *man- | 871 |
| | *man-V-g- | 872 |
| | *mat'- | 887 |
| | *mik'- | 896 |
| expanse | *$p^h$al-a | 89 |
| | *$t^h$ar-a | 195 |
| | *ħak'-a | 706 |
| expansion | *bul-a | 63 |
| | *$k^h$aw-a | 436 |
| experience | *bad-a | 7 |
| | *ħin-$k^h$-a | 736 |
| experience, to | *bad- | 7 |
| explain, to | *$k^h$al- | 410 |
| explanation | *$k^h$al-a | 410 |
| expression | *yan-a | 787 |
| extend, to | *$p^h$al- | 89 |
| | *$p^h$at$^h$- | 112 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$t^h$al$^y$- | 189 |
| | *$t^h$an$^y$- | 191 |
| | *$t^h$ar- | 195 |
| | *t'al- | 223 |
| | *c'al- or *č'al- | 308 |
| | *ħak'- | 706 |
| | *war- | 815 |
| | *rak'- | 966 |
| extended | *$p^h$ar-a | 100 |
| | *$t^h$al$^y$-a | 189 |
| | *$t^h$an$^y$-a | 191 |
| | *rak'-a | 966 |
| extending, the act of | *rak'-a | 966 |
| extension | *$p^h$ar-a | 100 |
| | *$t^h$an$^y$-a | 191 |
| | *rak'-a | 966 |
| extent | *mad-a | 848 |
| | *mat'-a | 887 |
| exterior | *ʔut'-a | 686 |
| extinction | *ǯaw-a | 333 |
| extinguish, to | *gup$^h$- | 395 |
| extinguished, to be | *gup$^h$- | 395 |
| extra | *ʔap$^h$-a | 640 |
| extra, that which is | *ʔap$^h$-a | 640 |
| extra, to be | *ʔap$^h$- | 640 |
| eye | *k'an$^y$-a | 475 |
| | *t͡ɬ$^h$il-a or (?) *t͡ɬ$^h$id͡ɮ-a | 605 |
| | *ʔil-a | 669 |
| eyebrow | *bur-a | 79 |
| eyelash | *bur-a | 79 |
| face | *$p^h$aŋ-a | 97 |
| fade, to | *$t^{y h}$um- | 263 |
| | *ǯaʔ- | 329 |
| | *wal- | 803 |
| | *was$^y$- | 820 |
| faint, to grow | *dow-, *doy- | 169 |
| | *s$^y$en$^y$- | 282 |
| falcon | *ħur-a (and/or *ħer-a ?) | 742 |
| fall | *bad-a | 9 |
| | *$p^h$ul-a | 125 |
| fall, to | *$p^h$ul- | 125 |
| fall down, to | *bad- | 9 |
| | *$p^h$ul- | 125 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *c'ar- | 309 |
| | *$k^h$at$^h$- | 434 |
| fall ill, to | *mar$^y$- | 885 |
| fall in drops, to | *t'al$^y$- | 224 |
| fall into, to | *t'al- | 222 |
| fallen | *p$^h$ul-a | 125 |
| falling down, the act of | *c'ar-a | 309 |
| fallow land | *bar-a | 38 |
| fame | *$k^h$ul-a | 448 |
| far away | *t'aw-a | 232 |
| | *$k^{wh}$al- | 517 |
| far off | *$k^{wh}$al- | 517 |
| fart | *p$^h$as$^y$-a | 108 |
| fart, to | *p$^h$as$^y$- | 108 |
| farthest point | *mun-a | 902 |
| fashion, to | *t$^h$ik$^h$- | 206 |
| | *$k^{wh}$ey- | 527 |
| | *lip'- | 961 |
| fashion something, tool used to | *t$^h$ik$^h$-a | 206 |
| fashioning something, the act of | *t$^h$ik$^h$-a | 206 |
| fast, to make | *dab- | 145 |
| fasten, to | *baʕ- | 2 |
| | *bin- | 47 |
| | *sak'$^w$- | 320 |
| | *ʒal- | 332 |
| | *$k^h$ad- | 406 |
| | *k'ad- | 458 |
| | *$k^{wh}$ir- | 529 |
| | *rak$^h$- | 964 |
| fasten (together), to | *ban-V-d- | 25 |
| | *dab- | 145 |
| | *rak$^h$- | 965 |
| fasten together, to | *t$^h$ak$^h$- | 186 |
| | *k'ač$^h$- | 457 |
| fasten two things together, to | *$k^h$ol$^y$- | 446 |
| fastening | *baʕ-a | 2 |
| | *dab-a | 145 |
| | *sak'$^w$-a | 320 |
| | *$k^h$ad-a | 406 |
| | *k'ač$^h$-a | 457 |
| | *k'ad-a | 458 |
| fastening (together), the act of | *rak$^h$-a | 965 |
| fat (= large) | *bun-g-a | 70 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$t^h$aw-a | 202 |
| | *k'an-a | 471 |
| | *ħay-t'-a | 734 |
| | *man-g-a | 872 |
| (fat [= grease]) | *$p^h$ul$^y$-a | 127 |
| fat (= grease) | *mar-a | 881 |
| fat (= lard) | *$s^y$il-a | 283 |
| fat, that which is | *$p^h$ul$^y$-a | 127 |
| fat, to be | *ħay-V-t'- | 734 |
| fatal disease | *mar$^y$-a | 885 |
| father | *baba | 3 |
| | *ʔab(b)a ~ *ʔap$^h$($p^h$)a | 616 |
| | *ʔat$^h$t$^h$a | 647 |
| | *ʔay(y)a | 655 |
| fatigue | *dow-a, *doy-a | 169 |
| | *$t^h$an$^y$-a | 192 |
| | *$t^{yh}$um-a | 263 |
| | *xal-a | 769 |
| | *was$^y$-a | 819 |
| | *muk'-a | 901 |
| fatigued, to be or become | *was$^y$- | 819 |
| fatigued (from straining, laboring), to become | *k'ac$^h$- | 456 |
| fat(ness) | *$p^h$uʔ-a | 124 |
| fatness | *k'an-a | 471 |
| fatten, to | *$p^h$uʔ- | 124 |
| fault | *gal-a | 363 |
| favor | *ħan-a | 715 |
| favor, to show | *ħan- | 715 |
| favorably disposed towards, to be | *mal- | 860 |
| fear | *$p^h$el-a | 116 |
| | *$p^h$ir-a | 122 |
| | *$s^y$ur-a | 290 |
| | *naħ-a | 922 |
| fear, to | *$p^h$ir- | 122 |
| | *$s^y$ur- | 290 |
| | *naħ- | 922 |
| fearful, to be | *$p^h$el- | 116 |
| feathers, (fine, soft) | *bur-a | 78 |
| feed | *ʔak$^h$-a | 621 |
| feed, to | *k'al- | 461 |
| feed (on), to | *ʕun$^y$- | 765 |
| feeding | *$p^h$in$^y$-a | 118 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| feel, to | *$gas^y$- | 375 |
| feel affection for, to | *$p^h$ar- | 98 |
| feeling | *san-a or *šan-a, | |
| | *sin-a or *šin-a, | |
| | *sun-a or *šun-a | 323 |
| female | *$nus^y$-a | 935 |
| female connected by marriage, any | *$nus^y$-a | 935 |
| female in-law | *$k^h$al-a | 407 |
| | *k'el-a | 486 |
| female relative | *ʔay(y)a | 654 |
| | *nat'-a | 926 |
| female relative, (older) | *ʔaŋ(ŋ)a | 638 |
| female relative, older | *ʔa$k^hk^h$a | 624 |
| | *ʔema | 661 |
| fence | *gir-a | 386 |
| fetter | *$k^h$am-a or *$q^h$am-a | 413 |
| few things | *k'al-a | 463 |
| fiber (= string; cord) | *k'aŋ-a | 473 |
| field | *q'an-a | 580 |
| | *ħak'-a | 706 |
| | *$wel^y$-a | 829 |
| fierce, to be | *xam- | 771 |
| | *xam-V-d- | 771 |
| fiery, to be | *ʔe$k^h$- | 658 |
| fight | *bur-a | 73 |
| | *ɢal-a | 557 |
| | *$q^hat^h$-a | 574 |
| | *wel-a | 828 |
| | *mar-a | 877 |
| | *laħ-a | 947 |
| fight, to | *bur- | 73 |
| | *$q^hat^h$- | 574 |
| | *wel- | 828 |
| | *laħ- | 947 |
| fight against, to | *mar- | 877 |
| fight with, to | *mar- | 877 |
| fill, to | *$p^h$al- | 91 |
| | *t'an- | 226 |
| | *mal- | 859 |
| fill (up), to | *gam- | 366 |
| filled | *k'$^w$aħ-a | 534 |
| | *waš-a | 821 |
| | *mal-a | 859 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| fine, to be | *$s^{y}$uw- | 291 |
| fingernail | *$t'^{y}ip^{h}$-a | 275 |
| finish (= completion) | *$k^{wh}$al-a | 516 |
| finish, to | *$k^{wh}$al- | 516 |
| fire | *bud-a | 57 |
| | *$p^{h}$aħ-a | 130 |
| | *$p^{h}$aħ-w-a | 130 |
| | *dul-a | 172 |
| | *$d^{y}ak^{wh}$-a | 249 |
| | *$g^{w}$ir-a | 511 |
| | *$k'^{w}$as-a | 545 |
| | *ʔ$ak^{wh}$-a | 626 |
| | *ʕal-a | 748 |
| fire, to be on | *hag- | 687 |
| fire, to light a | *ʕal- | 748 |
| fire, to make a | *ʕal- | 748 |
| fire to, to set | *wal- | 802 |
| firewood | *$t\underset{\smile}{ɬ}^{h}$er-a | 603 |
| firm (= solid) | *$t^{h}$ik'-a | 207 |
| | *$t'^{y}$ar-a | 268 |
| | *$k^{h}$ar-a | 426 |
| | *ʕur-a | 766 |
| firm, to be | *ʕur- | 766 |
| | *man- | 869 |
| firm grip | *$d^{y}$ar-a | 251 |
| firmly attached, to be | *$t'^{y}$ar- | 268 |
| firmly established, to be | *dag- | 146 |
| firmness | *$t^{h}$ik'-a | 207 |
| | *$t'^{y}$ar-a | 268 |
| | *$k^{h}$ar-a | 426 |
| | *ʕur-a | 766 |
| first | *$p^{h}$ar-a | 101 |
| | *wan-a | 809 |
| first-born | *wan-a | 809 |
| first person personal pronoun stem (stative) | *$k^{h}$a- | 401 |
| first, to be | *mun- | 902 |
| fish | *dig-a | 163 |
| fish, (a kind of) | *min-a | 897 |
| fish, large | *$k^{wh}$al-a | 518 |
| fissure | *$t^{y}$$^{h}$al-m-a | 258 |
| fist | *k'om-a | 492 |
| fit (= appropriate) | *t'$ak^{h}$-a | 220 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| fit, to be | *$t'ak^h$- | 220 |
| fit (together), to | *$rak^h$- | 965 |
| fit together, to | *dab- | 145 |
| fit two things together, to | *$k^hol^y$- | 446 |
| fitness | *$t'ak^h$-a | 220 |
| fitting (= joining) | *dab-a | 145 |
| fitting (= proper) | *$s^yuw$-a | 291 |
| fitting, to be | *$s^yuw$- | 291 |
| fitting (together), the act of | *$rak^h$-a | 965 |
| flame | *$p^haħ$-a | 130 |
| | *$p^haħ$-w-a | 130 |
| | *$d^yak^{wh}$-a | 249 |
| | *war-a | 817 |
| flank (= side) | *gaŋ-a | 368 |
| flash, to | *bar- | 33 |
| flat | *$p^hal$-a | 89 |
| | *$t^hal^y$-a | 189 |
| flat, that which is | *$p^hal$-a | 89 |
| flat of hand | *$p^hal$-a | 90 |
| flee, to | *$p^har$- | 102 |
| | *$p^hir$- | 120 |
| | *her- and/or *hor- | 701 |
| fleeing | *$p^har$-a | 102 |
| | *$p^hir$-a | 120 |
| flight | *$p^har$-a | 102 |
| | *$p^hir$-a | 120 |
| | *her-a and/or *hor-a | 701 |
| | *wal-a | 800 |
| flock | *man-a | 871 |
| float, to | *wuy- or *Huy- | 843 |
| floating | *wuy-a or *Huy-a | 843 |
| flood | *bun-a | 71 |
| | *ʔib-a | 666 |
| | *$wel^y$-a | 830 |
| | *mor-a | 900 |
| flood, to | *$wel^y$- | 830 |
| flourish, to | *riy- | 972 |
| | *xan- | 772 |
| flow | *bal-a | 19 |
| | *bun-a | 71 |
| | *dun-a | 179 |
| | *$d^yaw$-a | 252 |
| | *$s^yor$-a | 288 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$gir^y$-a or *$ɢir^y$-a | 388 |
| | *$k'^w al^y$-a | 536 |
| | *wal-a | 801 |
| flow, to | *bun- | 71 |
| | *$d^y aw$- | 252 |
| | *$t'^y or$- | 276 |
| | *ʒil- or *ǯil- | 298 |
| | *$gir^y$- or *$ɢir^y$- | 388 |
| | *$k'^w al^y$- | 536 |
| | *ɢal- | 556 |
| | *$ħap^h$- | 720 |
| | *wal- | 801 |
| | *waǯ- | 826 |
| flow, to make to | *laħ- | 946 |
| flow forth, to | *$s^y or$- | 288 |
| | *ʒar- or *ǯar- | 296 |
| | *ʒil- or *ǯil- | 298 |
| | *sig- | 327 |
| | *$wel^y$- | 830 |
| flow (out), to | *dun- | 179 |
| flow out, to | *ʒar- or *ǯar- | 296 |
| flowing | *$d^y aw$-a | 252 |
| | *$t'^y or$-a | 276 |
| | *ʒil-a or *ǯil-a | 298 |
| | *sig-a | 327 |
| | *ʔor-a | 676 |
| | *laħ-a | 946 |
| fluid | *maw-a | 889 |
| flutter, to | *$p^h ar$- | 102 |
| | *$p^h at^h$- | 111 |
| | *$p^h ir$- | 120 |
| flux | *$gir^y$-a or *$ɢir^y$-a | 388 |
| fly, to | *$p^h ar$- | 102 |
| | *$p^h ir$- | 120 |
| fly about, to | *duw- | 183 |
| flying | *$p^h ar$-a | 102 |
| | *$p^h ir$-a | 120 |
| fodder | *$ʔak^h$-a | 621 |
| fog | *$p'ul^y$-a | 141 |
| | *dum-a | 177 |
| fold (= bend) | *k'un-a | 504 |
| fold together, to | *$k'ač^h$- | 457 |
| | *k'un- | 504 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| folded, that which is | *k'un-a | 504 |
| fond of, to be | *pʰar- | 98 |
| food | *bur-a | 76 |
| | *pʰaħ-a | 84 |
| | *t͡ɬ'ar-s-a | 609 |
| | *ʔakʰ-a | 621 |
| | *ʔit'-a | 672 |
| | *ʕunʸ-a | 765 |
| foolish | *ʔeb-a | 657 |
| foolishness | *ʔeb-a | 657 |
| foot | *pʰat'-a | 113 |
| | *kʰab-a | 404 |
| | *lakʰ-a | 949 |
| for | *ʔanʸ- | 635 |
| force | *tʰalʸ-a | 190 |
| | *tʰur-a | 216 |
| | *ʒag-a | 292 |
| | *gid-a or *ɢid-a | 381 |
| force, to | *tʰalʸ- | 190 |
| force together, to | *gid- or *ɢid- | 381 |
| forefather | *ʔab(b)a ~ *ʔapʰ(pʰ)a | 616 |
| forehead | *pʰaŋ-a | 97 |
| | *q'aw-a | 582 |
| foremost | *pʰar-a | 101 |
| foremost (person or thing) | *xaŋ-tʰ-a | 774 |
| foremost, that which is | *xaŋ-a | 773 |
| foremost, to be | *mun- | 902 |
| foremost person | *ner-a | 928 |
| foremost thing | *ner-a | 928 |
| form | *sam-a | 322 |
| | *lip'-a | 961 |
| form, to | *tʰikʰ- | 206 |
| | *kʷʰey- | 527 |
| | *lip'- | 961 |
| form something, tool used to | *tʰikʰ-a | 206 |
| forming something, the act of | *tʰikʰ-a | 206 |
| forsake, to | *gaʔ- | 350 |
| forsaken | *gaʔ-a | 350 |
| forth from, to go | *gus- | 398 |
| forth from, to make to go | *gus- | 398 |
| fortitude | *kʰar-a | 426 |
| fowl, wild | *ɢarʸ-a | 563 |
| | *ɢarʸ-ɢarʸ-a | 563 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| fracture | *mur-a | 905 |
| fragment | *dum-a | 175 |
| | *dun$^{y}$-a | 180 |
| | *c$^{h}$al-a | 306 |
| | *gad-a | 355 |
| | *k$^{h}$as-a | 431 |
| fragrance | *ʕut'-a | 767 |
| free-born | *ħar-a | 723 |
| freed | *her-a and/or *hor-a | 701 |
| freed (from) | *č$^{h}$al-a | 335 |
| freedom | *č$^{h}$al-a | 335 |
| freeze, to | *gil- | 383 |
| | *k$^{h}$ir- | 444 |
| | *k'ul$^{y}$- | 499 |
| | *q'in- | 584 |
| fresh, to be | *ʔax- | 620 |
| friend | *ʔar-a | 643 |
| fright | *p$^{h}$el-a | 116 |
| frighten, to | *s$^{y}$ur- | 290 |
| frightened, to be | *p$^{h}$el- | 116 |
| | *ħat'- | 728 |
| frightened, to be or become | *s$^{y}$ur- | 290 |
| front | *gab-a | 351 |
| | *xaŋ-t$^{h}$-a | 774 |
| front part | *p$^{h}$aŋ-a | 97 |
| | *s$^{y}$ub-a | 289 |
| | *gab-a | 351 |
| | *xaŋ-t$^{h}$-a | 774 |
| frost | *k$^{h}$ir-a | 444 |
| | *k'ul$^{y}$-a | 499 |
| | *q'in-a | 584 |
| fruit | *bir$^{y}$-a | 52 |
| | *p$^{h}$ir-a | 119 |
| | *č$^{h}$an-a | 336 |
| fruit, to bear | *p$^{h}$ir- | 119 |
| fulfillment | *k$^{wh}$al-a | 516 |
| full | *t$^{h}$aw-a | 202 |
| | *t$^{h}$ir-a | 208 |
| | *waš-a | 821 |
| | *maħ-a | 853 |
| | *mal-a | 859 |
| full, to be or become | *mal- | 859 |
| fullness | *buw-a | 81 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$p^h$al-a | 91 |
| | *$p^h$uʔ-a | 124 |
| | *$t^h$ir-a | 208 |
| | *ħap$^h$-a | 719 |
| | *maħ-a | 853 |
| | *mal-a | 859 |
| | *mik'-a | 896 |
| fur | *bur-a | 78 |
| furious, to be | *ʔek$^h$- | 658 |
| furnace | *gub-a | 391 |
| furrow | *ɢar-a | 561 |
| fury | *q$^h$at$^h$-a | 574 |
| | *ʔek$^h$-a | 658 |
| gain | *ħin-k$^h$-a | 736 |
| gain, to | *ħin-V-k$^h$- | 736 |
| game (= wild animals) | *guw-a | 400 |
| | *guw-r-a | 400 |
| gap | *t$^y$$^h$al-m-a | 258 |
| gape | *haŋ-a | 695 |
| gape, to | *haŋ- | 695 |
| gash | *dal-a | 148 |
| | *waŋ-a | 811 |
| gash, to | *dal- | 148 |
| gasp, to | *šaw- | 345 |
| gather, to | *k'er- | 490 |
| | *ʔas- | 645 |
| | *lak'- | 950 |
| gather (together), to | *gid- or *ɢid- | 381 |
| gather together, to | *k$^h$am- | 415 |
| | *k'at$^h$- | 483 |
| | *ɢam- | 558 |
| gather (with the hands or arms), to | *ħap$^h$- | 719 |
| gathered | *lak'-a | 950 |
| gathered, that which as been | *ħap$^h$-a | 719 |
| gathering | *k$^h$am-a | 415 |
| | *k'at$^h$-a | 483 |
| | *k'er-a | 490 |
| | *ɢam-a | 558 |
| gathering, the act of | *ʔas-a | 645 |
| gazelle | *ʔar-a | 644 |
| genitals (male or female) | *p$^h$it'$^y$-a | 123 |
| | *q'al$^y$-a | 578 |
| genitals, male | *p$^h$as$^y$-a | 110 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| gentle | *rom-a | 973 |
| get, to | *sag- or *šag- | 317 |
| | *k'an- | 469 |
| get rid of, to | *čʰal- | 335 |
| gift | *t'oxʷ-a | 242 |
| | *gib-a | 380 |
| | *mig-a | 883 |
| gimlet | *bur-a | 74 |
| gird, to | *gir- | 386 |
| | *yaʔ- | 785 |
| girdle | *yaʔ-a | 785 |
| give, to | *t'oxʷ- | 242 |
| | *gib- | 380 |
| | *mig- | 883 |
| give back, to | *muy- | 910 |
| give birth, to | *bar- | 30 |
| | *sʸaw- or *sʸew- | 279 |
| | *ʔum- | 684 |
| | *γil- | 783 |
| give birth to, to | *pʰit'ʸ- | 123 |
| give off smoke, vapor, steam, to | *p'ulʸ- | 141 |
| given back, that which is | *muy-a | 910 |
| giving | *t'oxʷ-a | 242 |
| gleam | *bal-a | 21 |
| gleam, to | *t'ay- or *t'iy- | 235 |
| gleaming | *ɢil-a | 567 |
| | *law-a | 956 |
| glide, to | *ʒil- or *ǯil- | 299 |
| | *gil- | 382 |
| gliding | *gil-a | 382 |
| gliding, the act of | *ʒil-a or *ǯil-a | 299 |
| glisten, to | *ɢil- | 567 |
| | *ʔel- | 660 |
| glistening | *ɢil-a | 567 |
| glitter | *bal-a | 21 |
| | *walʸ-a | 805 |
| glitter, to | *daɢ- | 147 |
| | *t'ay- or *t'iy- | 235 |
| | *q'al- or *q'el- | 577 |
| | *ʔel- | 660 |
| globe | *ɢʷal-a | 585 |
| glorious | *mag-a | 850 |
| glorious, to be | *t͡ɬʰir- | 606 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *mag- | 850 |
| glory | *mag-a | 850 |
| glow | *law-a | 956 |
| glow, to | *t'ay- or *t'iy- | 235 |
| glowing | *k$^h$um-a | 452 |
| | *law-a | 956 |
| glowing, to be | *k'$^w$am- | 537 |
| glowing embers | *k'al-a | 464 |
| glued | *t͡ɬ'im-a | 611 |
| gnat | *k'uɢ-n-a (~ *k'oɢ-n-a) | 497 |
| gnaw, to | *t͡ɬ'ar- | 609 |
| | *t͡ɬ'ar-V-s- | 609 |
| go, to | *buw- | 80 |
| | *p$^h$ar- | 105 |
| | *t'aw- | 232 |
| | *gaʔ- | 350 |
| | *gir$^y$- or *ɢir$^y$- | 388 |
| | *k$^{wh}$al- | 513 |
| | *k'$^w$al- | 535 |
| | *ɢal- | 555 |
| | *ʔay- | 652 |
| | *ʔiy- | 673 |
| | *wal- | 800 |
| | *naʕ- | 916 |
| go across, to | *p$^h$ar- | 105 |
| go after (= follow), to | *k'$^w$al- | 535 |
| go after (= pursue), to | *mar- | 880 |
| go around, to | *k$^{wh}$al- | 514 |
| go (away), to | *bar- | 37 |
| go away, to | *t'aw- | 232 |
| | *k'$^w$al- | 535 |
| | *γor- | 784 |
| | *γor-V-b- | 784 |
| | *wal- | 800 |
| go behind (= follow), to | *k'$^w$al- | 535 |
| go forth, to | *p$^h$ar- | 105 |
| go forth from, to | *gus- | 398 |
| go on foot, to | *lak$^h$- | 949 |
| go out, to | *p$^h$ar- | 105 |
| go outside of, to | *gus- | 398 |
| go over, to | *p$^h$ar- | 105 |
| go (round), to | *mar- | 880 |
| go up, to | *sal- | 321 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| go, to let | *t'aw- | 232 |
| | *čʰal- | 335 |
| goal | *tʸʰar-a | 259 |
| goat | *bag-a | 11 |
| | *dur-a | 182 |
| | *ʔar-a | 644 |
| goat, (young) | *t͡ɬʰaħ-a | 596 |
| goat, young | *gad-a | 356 |
| goes round and round, that which | *kʷʰal-a | 515 |
| going | *buw-a | 80 |
| | *pʰar-a | 105 |
| going (away) | *bar-a | 37 |
| going, the act of | *ɢal-a | 555 |
| good | *bar-a | 34 |
| | *mal-a | 860 |
| good, to be | *sʸuw- | 291 |
| good, to do | *bar- | 34 |
| goodness | *bar-a | 34 |
| | *mal-a | 860 |
| goose | *gaŋ-a | 367 |
| goose, wild | *ɢarʸ-a | 563 |
| | *ɢarʸ-ɢarʸ-a | 563 |
| gossip | *war-a and/or *wir-a | 818 |
| gouge | *ʔakʰ-a | 623 |
| gouge, to | *dal- | 148 |
| gracious, to be | *ħan- | 715 |
| graciousness | *ħan-a | 715 |
| gradually (= slowly) | *hakʰ- | 688 |
| gradually, to do or approach something | *hakʰ- | 688 |
| gradualness | *hakʰ-a | 688 |
| grain (= seed) | *bar-a | 32 |
| | *yiw-a (~ *yew-a) | 789 |
| grain, a kind of | *hay-a | 698 |
| grain, (unripe or blighted) | *pʰat'-a | 114 |
| grandeur | *mag-a | 850 |
| grasp | *bar-a | 31 |
| | *pʰid-a | 117 |
| | *k'ab-a | 455 |
| | *ʔam-a | 629 |
| | *ʕap'-a | 754 |
| grasp, to | *bar- | 31 |
| | *tʰekʰ- | 203 |
| | *gab- | 353 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *gar- | 369 |
| | *gat'- | 376 |
| | *$k^h$am- or *$q^h$am- | 413 |
| | *k'aw- | 485 |
| | *k'um- | 501 |
| | *ʔam- | 629 |
| | *ʕap'- | 754 |
| | *wot$^h$- | 837 |
| | *lab- | 942 |
| grasp with the hand, to | *$k^h$ap$^h$- | 419 |
| grasped | *ʔam-a | 629 |
| grasping | *lab-a | 942 |
| grasping, the act of | *$t^h$ek$^h$-a | 203 |
| | *wot$^h$-a | 837 |
| grass | *č'am-a | 339 |
| grate, to | *ɢar- | 560 |
| grated | *ɢar-a | 560 |
| grating, the act of | *ɢar-a | 560 |
| gray | *$p^h$ar$^y$-a | 107 |
| gray hair | *t̪ɬ$^h$ay-a | 602 |
| gray, (hair) to turn | *$p^h$ar$^y$- | 107 |
| | *t̪ɬ$^h$ay- | 602 |
| (grease) | *$p^h$ul$^y$-a | 127 |
| grease | *mar-a | 881 |
| great | *bir-a | 49 |
| | *gad-a | 354 |
| | *ħal$^y$-a | 711 |
| | *maʔ-a | 847 |
| | *maħ-a | 853 |
| | *mak'-a | 856 |
| | *mik'-a | 896 |
| great, to be | *maħ- | 853 |
| | *mak'- | 856 |
| great, to be or become | *gad- | 354 |
| great amount | *ħaw-a | 731 |
| great importance, to be of | *mag- | 850 |
| great influence, to be of | *mag- | 850 |
| great number | *ħaw-a | 731 |
| | *man-g-a | 872 |
| great power, to be of | *mag- | 850 |
| great quantity | *gar$^y$-a | 373 |
| greatness | *bir-a | 49 |
| | *gad-a | 354 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *maħ-a | 853 |
| grief | *ħag-a | 703 |
| grief, exclamation of | *hay | 699 |
| grime | *k'ar-a | 480 |
| grind, to | *bul- | 69 |
| | *t'aħ- | 219 |
| | *$c^h$aħ- | 304 |
| | *gin- | 385 |
| | *$k'^w$ar- | 542 |
| | *ɢar- | 560 |
| | *q'am- | 579 |
| | *ħur- | 743 |
| | *wal- | 803 |
| | *$was^y$- | 820 |
| grind down, to | *mel- | 890 |
| | *mol- | 899 |
| grinding | *$c^h$aħ-a | 304 |
| grinding, the act of | *$c^h$aħ-a | 304 |
| | *gin-a | 385 |
| | *ɢar-a | 560 |
| | *$was^y$-a | 820 |
| grinding pestle | *$k'^w$ar-a | 542 |
| grinding stone | *$k'^w$ar-a | 542 |
| grip | *$k^h$am-a or *$q^h$am-a | 413 |
| | *k'ab-a | 455 |
| grip, firm | *$d^y$ar-a | 251 |
| grip, to | *$k^h$am- or *$q^h$am- | 413 |
| groan | *k'um-a | 500 |
| | *$k'^w$as-a | 546 |
| | *ɢar-a | 559 |
| | *ɢar-ɢar-a | 559 |
| groan, to | *k'um- | 500 |
| | *$k'^w$as- | 546 |
| | *ɢar- | 559 |
| | *ɢar-ɢar- | 559 |
| groove | *$k^{wh}$ar-a | 520 |
| ground (= pulverized) | *mol-a | 899 |
| ground (= pulverized), anything | *t'aħ-a | 219 |
| | *ɢar-a | 560 |
| ground (= land) | *ʔer-a | 664 |
| | *ʔul-a | 682 |
| ground (= land), elevated | *t'id-a | 238 |
| group of two | *yor-a | 790 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| grow, to | *bir- | 49 |
| | *buw- | 81 |
| | *čʰan- | 336 |
| | *garʸ- | 373 |
| | *kʰaw- | 436 |
| | *ħalʸ- | 711 |
| | *ħon- | 740 |
| | *ʕag- | 745 |
| | *war- | 816 |
| | *man- | 871 |
| | *man-V-g- | 872 |
| | *mik'- | 896 |
| | *liʔ- | 960 |
| | *riy- | 972 |
| grow faint, to | *dow-, *doy- | 169 |
| | *sʸenʸ- | 282 |
| grow old, to | *pʰarʸ- | 107 |
| | *tʰanʸ- | 192 |
| | *sʸenʸ- | 282 |
| | *ṭɬʰay- | 602 |
| | *watʰ- | 822 |
| grow thin, to | *tʰaħ- | 185 |
| grow (up), to | *nʸaʕ-V-r- | 937 |
| grow weak, to | *dow-, *doy- | 169 |
| grow weary, to | *dow-, *doy- | 169 |
| growl, to | *gur- | 396 |
| growling noise or sound | *gur-a | 396 |
| grown | *ħalʸ-a | 711 |
| grown, that which is | *čʰan-a | 336 |
| growth | *bul-γ-a | 65 |
| | *bun-a | 70 |
| | *buw-a | 81 |
| | *tʸʰiq'ʷ-a | 261 |
| | *garʸ-a | 373 |
| | *kʰaw-a | 436 |
| | *ħaw-a | 731 |
| | *mik'-a | 896 |
| | *riy-a | 972 |
| grub (= maggot; larva) | *kʷʰur-a | 531 |
| grumble | *k'um-a | 500 |
| grumble, to | *ɢar- | 559 |
| | *ɢar-ɢar- | 559 |
| guard | *war-a | 813 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| guard, to | *$k^h$al- | 409 |
| guardian | *man-a | 870 |
| guardianship | *war-a | 813 |
| | *man-a | 870 |
| guidance | *ħak'-a | 707 |
| guide | *day-a | 161 |
| guide, to | *ħak'- | 707 |
| gully | *ɢal-a | 556 |
| gulp down, to | *$x^w el^y$- | 780 |
| gurgle, to | *gur- | 396 |
| gurgling noise or sound | *gur-a | 396 |
| gush | *$s^y$or-a | 288 |
| | *$k'^w al^y$-a | 536 |
| gush forth, to | *$s^y$or- | 288 |
| | *ʒar- or *ǯar- | 296 |
| | *$k'^w al^y$- | 536 |
| | *nab- | 917 |
| gushing forth | *nab-a | 917 |
| gut | *gur-a | 397 |
| gutter (= ditch) | *ɢar-a | 561 |
| habitation | *ʔil-a | 667 |
| hair | *$t\underset{\smile}{ɬ}^h$iʕ-r-a | 604 |
| hair, (body) | *ƀur-a | 78 |
| hair, (young, fine, or soft) | *wun-d-a (~ *won-d-a) | 840 |
| half | *ʔar-a | 641 |
| half-witted | *ʔeb-a | 657 |
| hammer | *$t'^y$ad-a | 264 |
| hammer, to | *$t'^y$ad- | 264 |
| hand | *$p^h$aŋ-a | 96 |
| | *$p^h$aŋ-$k^{wh}$-a | 96 |
| | *$d^y$ar-a | 251 |
| | *gab-a | 353 |
| | *gar-a | 369 |
| | *$gas^y$-a | 375 |
| | *gat'-a | 376 |
| | *$k^h ap^h$-a | 419 |
| | *k'aw-a | 485 |
| | *k'om-a | 492 |
| | *ħar-a | 722 |
| | *$man^y$-a | 875 |
| hand, flat of | *$p^h$al-a | 90 |
| hand(ful) | *$k^h$am-a or *$q^h$am-a | 413 |
| | *ʔam-a | 629 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| handful | *k'er-a | 490 |
| | *ħap$^{h}$-a | 719 |
| handful, to take a | *k'er- | 490 |
| handle | *p$^{h}$aŋ-a | 96 |
| | *p$^{h}$aŋ-k$^{wh}$-a | 96 |
| handle, to | *p$^{h}$aŋ- | 96 |
| | *p$^{h}$aŋ-V-k$^{wh}$- | 96 |
| | *gas$^{y}$- | 375 |
| hang, to | *dul$^{y}$- | 174 |
| | *t͡ɬ$^{h}$uŋ-V-k$^{h}$- | 607 |
| hang up, to | *t͡ɬ$^{h}$uŋ-V-k$^{h}$- | 607 |
| hanging | *dul$^{y}$-a | 174 |
| happen, to | *bad- | 7 |
| happening | *bad-a | 7 |
| happiness | *mak'-a | 857 |
| happy, to be | *p$^{h}$ar- | 98 |
| | *mak'- | 857 |
| harass, to | *dal$^{y}$- | 150 |
| hard | *t'$^{y}$ar-a | 269 |
| | *k$^{h}$ar-a | 426 |
| | *ʕur-a | 766 |
| hard, that which is | *t'$^{y}$ar-a | 269 |
| hard, to be | *t'$^{y}$ar- | 269 |
| | *ʕur- | 766 |
| hard work | *q$^{h}$ad-a | 570 |
| hardness | *t$^{h}$ik'-a | 207 |
| | *k$^{h}$ar-a | 426 |
| | *ʕur-a | 766 |
| harm | *dar-a | 153 |
| | *t'aw-a | 233 |
| | *d$^{y}$ab-a | 248 |
| | *g$^{w}$an-a | 508 |
| | *t͡ɬ$^{h}$ar-a | 599 |
| | *ʔak$^{h}$-a | 622 |
| | *waŋ-a | 811 |
| | *nik$^{h}$-a | 931 |
| harm, to | *dar- | 153 |
| | *d$^{y}$ab- | 248 |
| | *g$^{w}$an- | 508 |
| | *ʔak$^{h}$- | 622 |
| harm, to cause | *t͡ɬ$^{h}$ar- | 599 |
| harmful | *dar-a | 153 |
| harnessed | *t͡ɬ'im-a | 611 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| harsh (= coarse; rough) | *bar-a | 29 |
| harsh (= pungent) | *$k^h$ar-a | 428 |
| harsh (of sounds) | *$k^h$at$^h$-a | 435 |
| harsh, to be | *bar- | 29 |
| harsh screech, to make a | *$k^h$at$^h$- | 435 |
| harsh sound, to make a | *$k^h$at$^h$- | 435 |
| harshness (= coarseness; roughness) | *bar-a | 29 |
| harshness (= pungency) | *$k^h$ar-a | 428 |
| haste | *$p^h$at$^h$-a | 111 |
| hasten, to | *$p^h$ar- | 102 |
| | *$p^h$at'- | 113 |
| | *$p^h$ir- | 120 |
| | *gir$^y$- or *ɢir$^y$- | 388 |
| hasten in advance, to | *$p^h$ar- | 101 |
| hasty | *ʔor-a | 676 |
| hatch eggs, to | *ʔow-V-ħ- | 680 |
| hatchet | *ħaʒ-a | 735 |
| haulm | *$k^h$al$^y$-a | 411 |
| hawk | *ħur-a (and/or *ħer-a ?) | 742 |
| hawk-like bird | *ħur-a (and/or *ħer-a ?) | 742 |
| haze (= mist) | *p'ul$^y$-a | 141 |
| he | *si- (~ *se-) | 326 |
| he-goat | *buk'-a (~ *bok'-a) | 62 |
| head | *$p^h$aŋ-a | 97 |
| | *$t^h$al-a | 188 |
| | *$k^h$ir-a | 443 |
| | *q'aw-a | 582 |
| | *ɢ$^w$al-a | 586 |
| headman | *ħak'-a | 707 |
| health | *s$^y$ol-a | 287 |
| | *ħal$^y$-a | 711 |
| healthy | *ħal$^y$-a | 711 |
| heap | *$t^h$ul-a | 213 |
| | *gid-a or *ɢid-a | 381 |
| | *$k^h$aw-a | 436 |
| | *$k^h$um-a | 450 |
| | *k'um-a | 501 |
| heap up, to | *$k^h$um- | 450 |
| | *waš- | 821 |
| heaped up | *waš-a | 821 |
| hear, to | *sad$^y$- | 316 |
| | *$k^h$ul- | 448 |
| | *q'$^w$ar$^y$- or *q'$^w$ur$^y$- | 593 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| hearing | *$sad^{y}$-a | 316 |
| heart | *$k^{h}$ar-a | 430 |
| heat | *$p^{h}ek^{wh}$-a | 115 |
| | *dul-a | 172 |
| | *$t^{h}ep^{h}$-a | 204 |
| | *t'ab-a | 217 |
| | *t'ay-a or *t'iy-a | 235 |
| | *$s^{y}ax^{w}$-a | 281 |
| | *$k^{h}$ay-a | 439 |
| | *$k^{h}$um-a | 452 |
| | *$g^{w}$ir-a | 511 |
| | *$k'^{w}$am-a | 537 |
| | *$k'^{w}$at'-a | 547 |
| | *ʔ$ak^{wh}$-a | 626 |
| | *ħas-a | 726 |
| | *wal-a | 802 |
| | *war-a | 817 |
| heat of sun | *hag-a | 687 |
| heat, to | *$p^{h}ek^{wh}$- | 115 |
| | *$p^{h}$aħ- | 130 |
| | *$p^{h}$aħ-V-w- | 130 |
| | *$k^{h}$ay- | 439 |
| heat up, to | *dul- | 172 |
| | *t'ab- | 217 |
| | *$s^{y}ax^{w}$- | 281 |
| | *wal- | 802 |
| heated | *$t\underset{\smile}{ɬ}^{h}$er-a | 603 |
| heaviness | *$k'^{w}ur^{y}$-a | 553 |
| heavy | *$k'^{w}ur^{y}$-a | 553 |
| heavy, to be | *$k'^{w}ur^{y}$- | 553 |
| heavy rain | *nab-a | 918 |
| heed | *guw-a | 399 |
| heed, to | *guw- | 399 |
| he-goat | *$k^{h}$ab-a | 403 |
| heifer | *$p^{h}$ar-a | 103 |
| | *$p^{h}$ur-a | 128 |
| height | *bir-a | 49 |
| | *bir-g-a | 49 |
| | *t'al-a | 223 |
| | *sal-a | 321 |
| | *$k^{h}$aw-a | 436 |
| | *$k^{h}il^{y}$-a | 442 |
| | *ħon-a | 740 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| held | *ʔam-a | 629 |
| her [oblique] | *si- (~ *se-) | 326 |
| her [possessive] | *-si (~ *-se) | 326 |
| herd | *man-a | 871 |
| herd of small animals | *ʕuw-a (~ *ʕow-a) | 768 |
| herdsman | *man-a | 870 |
| hero | *pʰar-a | 101 |
| hide (= animal skin) | *pʰač'-a | 83 |
| | *pʰal-a | 131 |
| | *kʰar-a | 423 |
| | *k'ʷoy-a | 552 |
| | *nakʰ-a | 923 |
| hide, to | *pʰal- | 95 |
| | *tʰum- | 214 |
| | *kʰalʸ- | 412 |
| | *ħag- | 704 |
| | *γam- | 782 |
| high | *bir-g-a | 49 |
| | *t'al-a | 223 |
| | *sal-a | 321 |
| | *kʰilʸ-a | 442 |
| high, to be | *bir-V-g- | 49 |
| | *ʕal- | 747 |
| high, to make | *k'ul- | 498 |
| | *ʕam- | 750 |
| | *ʕam-V-d- | 750 |
| high place | *bir-g-a | 49 |
| high rank | *ʈʰir-a | 606 |
| higher in rank, to be | *ħar- | 723 |
| higher in status, to be | *ħar- | 723 |
| highest part | *war-a | 816 |
| highest person | *ner-a | 928 |
| highest point | *gub-a | 390 |
| | *k'ul-a | 498 |
| | *ʕal-a | 747 |
| | *ʕam-a | 750 |
| | *ʕam-d-a | 750 |
| | *mun-a | 902 |
| highest thing | *ner-a | 928 |
| highly esteemed | *mag-a | 850 |
| hill | *tʰul-a | 213 |
| | *t'id-a | 238 |
| | *kʰilʸ-a | 442 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | **mal-a* | 858 |
| him | **si-* (~ **se-*) | 326 |
| hind part | **dub-a* | 170 |
| | **k'$^{w}$ad-a* | 533 |
| hinder, to | **t'ad-* | 218 |
| hindquarters | **ʕar-a* | 755 |
| hindrance | **t'ad-a* | 218 |
| his | **-si* (~ **-se*) | 326 |
| hit | **t$^{h}$ap$^{h}$-a* | 193 |
| | **k'$^{w}$aħ-a* | 534 |
| | **lax$^{w}$-a* | 959 |
| hit, to | **t$^{h}$ap$^{h}$-* | 193 |
| | **t'aw-* | 233 |
| | **d$^{y}$ab-* | 248 |
| | **g$^{w}$an-* | 508 |
| | **k'$^{w}$aħ-* | 534 |
| | **q'$^{w}$al-* | 589 |
| | **nik$^{h}$-* | 931 |
| | **lax$^{w}$-* | 959 |
| hitting, the act of | **lax$^{w}$-a* | 959 |
| (hoar)frost | **t$^{h}$ow-a* | 211 |
| hoarse, to be | **q$^{h}$ar$^{y}$-* | 573 |
| hold | **bar-a* | 31 |
| | **p$^{h}$id-a* | 117 |
| | **k$^{h}$al-a* | 409 |
| | **k$^{h}$am-a* or **q$^{h}$am-a* | 413 |
| | **k'ab-a* | 455 |
| | **ʔam-a* | 629 |
| | **ʕap'-a* | 754 |
| hold, to | **p$^{h}$id-* | 117 |
| | **k'aw-* | 485 |
| | **man$^{y}$-* | 875 |
| hold (closely or tightly), to | **ʔam-* | 629 |
| hold back, to | **k$^{h}$al-* | 409 |
| hold firmly, to | **d$^{y}$ar-* | 251 |
| hole | **bit̪$^{h}$-a* | 55 |
| | **p$^{h}$ut$^{h}$-a* | 137 |
| | **dur-a* | 181 |
| | **t$^{y}$$^{h}$al-m-a* | 258 |
| | **k$^{w}$$^{h}$ar-a* | 520 |
| | **ʔak$^{h}$-a* | 623 |
| | **haŋ-a* | 695 |
| | **ħal$^{y}$-a* | 712 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| hole, to make a | *dur- | 181 |
| hollow (= cave) | *$k^h$ay-w-a | 440 |
| | *k'um-a | 503 |
| | *$k^{wh}$ar-a | 520 |
| | *ħal$^y$-a | 712 |
| hollow out, to | *gal- | 358 |
| | *$k^{wh}$ar- | 520 |
| | *xat'- | 775 |
| hollowing out, the act of | *gal-a | 358 |
| home | *man-a | 869 |
| honey | *bay-a | 41 |
| | *$k^h$an$^y$-a ~ *$k^h$in$^y$-a ~ *$k^h$un$^y$-a | 417 |
| | *mad-w-a | 849 |
| | *mal-a | 861 |
| honor | *mag-a | 850 |
| hoof | *$k^h$ab-a | 404 |
| hook | *$t^h$a$k^h$-a | 186 |
| | *gam-a | 365 |
| | *$k^h$on-k'-a, *$k^h$ok'-a | 447 |
| | *t̪ɬ$^h$uŋ-$k^h$-a | 607 |
| hook together, to | *$t^h$a$k^h$- | 186 |
| hook up, to | *t̪ɬ$^h$uŋ-V-$k^h$- | 607 |
| hooked, that which is | *k'un-a | 504 |
| horn | *$k^h$ir-a | 443 |
| hot | *$p^h$e$k^{wh}$-a | 115 |
| | *t'ab-a | 217 |
| | *$k^h$um-a | 452 |
| hot (of taste) | *$k^h$ar-a | 428 |
| hot, to be | *s$^y$am- | 277 |
| | *k'$^w$am- | 537 |
| | *ʔa$k^{wh}$- | 626 |
| | *ʔe$p^h$- | 663 |
| | *ħas- | 726 |
| hot, to be or become | *s$^y$ax$^w$- | 281 |
| | *$k^h$ay- | 439 |
| | *$k^h$um- | 452 |
| | *g$^w$ir- | 511 |
| hot, to make | *s$^y$ax$^w$- | 281 |
| house | *$p^h$ar-a, (?) *$p^h$ur-a | 104 |
| | *q'$^w$ad-a | 587 |
| | *ʔil-a | 667 |
| | *man-a | 869 |
| howl | *ɢar-a | 559 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ɢar-ɢar-a | 559 |
| | *waʕ-a | 793 |
| | *wal-a | 799 |
| howl, to | *ɢar- | 559 |
| | *ɢar-ɢar- | 559 |
| hubbub | *q’$^{w}$al-a | 588 |
| | *wal-a | 799 |
| hump | *bun-a | 70 |
| | *p’ul-a | 140 |
| | *t$^{h}$aw-a | 202 |
| | *k’ar-a | 482 |
| | *k’um-a | 503 |
| hunch | *ɢub-a | 569 |
| (hunger) | *bad-a | 8 |
| hunger | *wal-a | 803 |
| hunt wild animals, to | *guw- | 400 |
| | *guw-V-r- | 400 |
| hurl, to | *q’$^{w}$al- | 590 |
| | *ʕam- | 751 |
| hurling | *q’$^{w}$al-a | 590 |
| hurry | *p$^{h}$at$^{h}$-a | 111 |
| hurry, to | *gir$^{y}$- or *ɢir$^{y}$- | 388 |
| hurry, to be in a | *p$^{h}$ar- | 102 |
| | *p$^{h}$ir- | 120 |
| hurt, to | *q’$^{w}$al- | 589 |
| | *ʔak$^{h}$- | 622 |
| husband | *ʔar-a | 642 |
| husband’s sister | *k’el-a | 486 |
| husk | *p$^{h}$at’-a | 114 |
| I | *ʔa- (~ *ʔə-), *ʔi- (~ *ʔe-) | 613 |
| | *wa- (~ *wə-) | 791 |
| | *mi (~ *me) | 892 |
| | *na (~ *nə) | 911 |
| ibex | *ʔar-a | 644 |
| ice | *gil-a | 383 |
| idea | *t’$^{y}$iŋ-a | 274 |
| | *saħ-a or *šaħ-a | 318 |
| | *ʕeŋ-a | 759 |
| ignite, to | *ʕal- | 748 |
| ignoble, to be | *ʔek’- | 659 |
| ill, to be | *gal- | 362 |
| ill, to become | *daw- | 158 |
| ill, to fall | *mar$^{y}$- | 885 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| illness | *gal-a | 362 |
| | *mar$^{y}$-a | 885 |
| illustrious | *mag-a | 850 |
| illustrious, to be | *t͡ɬ$^{h}$ir- | 606 |
| | *mag- | 850 |
| immature | *γil-a | 783 |
| immerse in water, to | *mus$^{y}$- | 909 |
| | *mus$^{y}$-V-k'- | 909 |
| immerse into, to | *t'al- | 222 |
| immersion | *t'al-a | 222 |
| | *mus$^{y}$-a | 909 |
| | *mus$^{y}$-k'-a | 909 |
| impediment | *t'ad-a | 218 |
| in addition to | *bi | 46 |
| | *da- (~ *də-) | 143 |
| in front of, to be | *mun- | 902 |
| in the middle of | *mat$^{h}$- or *met$^{h}$- | 886 |
| in-law, (elder) male | *t'ay-a | 234 |
| in-law, female | *k$^{h}$al-a | 407 |
| | *k'el-a | 486 |
| incise, to | *k'ir- or *k'ur- | 491 |
| | *wur$^{y}$- | 842 |
| incision | *t$^{h}$ar-a | 196 |
| | *k$^{h}$ar-a | 422 |
| | *t͡ɬ$^{h}$ar-t'-a | 601 |
| | *ħaʒ-a | 735 |
| | *xat'-a | 775 |
| incisions, to make | *t͡ɬ$^{h}$ar-V-t'- | 601 |
| increase | *bar-a | 26 |
| | *bul-γ-a | 65 |
| | *gar$^{y}$-a | 373 |
| | *ħaw-a | 731 |
| | *waš-a | 821 |
| | *mik'-a | 896 |
| | *riy-a | 972 |
| increase, to | *bun-V-g- | 70 |
| | *gar$^{y}$- | 373 |
| | *k$^{h}$aw- | 436 |
| | *ħaw- | 731 |
| | *war- | 816 |
| | *waš- | 821 |
| | *maħ- | 853 |
| | *mal- | 859 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *man- | 871 |
| | *man-V-g- | 872 |
| | *mik'- | 896 |
| | *riy- | 972 |
| increase (in number), to | *maʔ- | 847 |
| increased | *waš-a | 821 |
| increment | *waš-a | 821 |
| indefinite pronoun stem | *ma- (~ *mə-), | |
| | *mi- (~ *me-), | |
| | *mu- (~ *mo-) | 844 |
| inferior | *$k^h$at$^h$-a | 434 |
| inflammation | *dar$^y$-a | 155 |
| inflate, to | *bul- | 63 |
| | *bun- | 70 |
| | *$p^h$uš- | 129 |
| | *$p^h$uw- | 138 |
| | *$k^h$aw- | 436 |
| inflation | *bul-a | 63 |
| | *$k^h$aw-a | 436 |
| initiate, to | *bad- | 10 |
| initiation | *bad-a | 10 |
| injure, to | *dar- | 153 |
| | *d$^y$ab- | 248 |
| | *g$^w$an- | 508 |
| | *q$^h$al- | 571 |
| | *t͡ɬ$^h$ar- | 599 |
| injury | *dar-a | 153 |
| | *t$^h$ar-a | 196 |
| | *t'aw-a | 233 |
| | *d$^y$ab-a | 248 |
| | *gar-a | 370 |
| | *g$^w$an-a | 508 |
| | *q$^h$al-a | 571 |
| | *t͡ɬ$^h$ar-a | 599 |
| | *waŋ-a | 811 |
| | *nik$^h$-a | 931 |
| inquiry | *saħ-a or *šaħ-a | 318 |
| (insane, to be) | *dul- | 173 |
| (insane, to drive someone) | *dul- | 173 |
| insane, to become | *ʔeb- | 657 |
| (insanity) | *dul-a | 173 |
| insect | *k$^{wh}$ur-a | 531 |
| inside of anything | *wat'$^y$-a | 824 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| inside, the | *k'$^{w}$ar-b-a | 543 |
| instigate, to | *bad- | 10 |
| instrument, sharp | *t$^{yh}$al-a | 257 |
| insufficiency | *k'al-a | 463 |
| | *nus$^{y}$-a | 934 |
| insufficient | *k'al-a | 463 |
| insuffient, to be | *ʔek'- | 659 |
| intention | *ʕeŋ-a | 759 |
| interior | *k'$^{w}$ar-b-a | 543 |
| interior of anything | *wat'$^{y}$-a | 824 |
| interrogative pronoun stem | *k$^{wh}$a- (~ *k$^{wh}$ə-) | 528 |
| | *ʔay-, *ʔya- | 651 |
| | *mi- (~ *me-) | 891 |
| interrogative/relative particle | *na- (~ *nə-) | 914 |
| intoxicated | *t$^{h}$ar-a | 200 |
| inundation | *wel$^{y}$-a | 830 |
| investigation | *saħ-a or *šaħ-a | 318 |
| | *k$^{h}$al-a | 410 |
| invitation | *q'$^{w}$at$^{yh}$-a | 594 |
| invocation | *k'ar-a | 479 |
| | *q'$^{w}$at$^{yh}$-a | 594 |
| inward part | *k'$^{w}$ar-b-a | 543 |
| irritate, to | *nad$^{y}$- | 920 |
| irritating | *nad$^{y}$-a | 920 |
| irritating, to be | *nad$^{y}$- | 920 |
| irritation | *nad$^{y}$-a | 920 |
| issue (= offspring) | *p$^{h}$ir-a | 119 |
| issue (from), to | *ʒar- or *ǯar- | 296 |
| it | *si- (~ *se-) | 326 |
| itch | *gar-b-a | 372 |
| its | *-si (~ *-se) | 326 |
| jab | *t͡ɬ$^{h}$ak$^{wh}$-a | 597 |
| jab, to | *ʒer- or *ǯer- | 297 |
| jar | *k$^{h}$ap$^{h}$-a | 420 |
| javelin | *ʒer-a or *ǯer-a | 297 |
| jaw | *gen-a | 377 |
| | *k'an-a | 470 |
| | *k'ap$^{h}$-a and/or *k'ep$^{h}$-a | 476 |
| | *ɢat'$^{y}$-a | 565 |
| | *q'ab-a | 576 |
| jawbone | *k'ap$^{h}$-a and/or *k'ep$^{h}$-a | 476 |
| join, to | *gid- or *ɢid- | 381 |
| join (together), to | *rak$^{h}$- | 965 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| join together, to | *dab- | 145 |
| | *dar- | 152 |
| | *$t^h$ak$^h$- | 186 |
| | *k'ač$^h$- | 457 |
| | *k'at$^h$- | 483 |
| | *ɢam- | 558 |
| | *ʈɬ'im- | 611 |
| join two things together, to | *k$^h$ol$^y$- | 446 |
| joined together | *dar-a | 152 |
| | *ʈɬ'im-a | 611 |
| joined together, to be or become | *t'$^y$ar- | 268 |
| joining | *dab-a | 145 |
| joining (together), the act of | *rak$^h$-a | 965 |
| joint | *k'aŋ-a | 474 |
| | *k'en$^y$-a | 487 |
| joke, to | *ʒak'- | 295 |
| journey | *p$^h$ar-a | 105 |
| | *ʔay-a | 652 |
| | *naʕ-a | 916 |
| journey, to | *naʕ- | 916 |
| joy | *p$^h$ar-a | 98 |
| | *mak'-a | 857 |
| judge, to | *sad$^y$- | 316 |
| judgment | *day-a | 160 |
| | *sad$^y$-a | 316 |
| judgment, sound | *ħak$^h$-a | 705 |
| juice | *šaw-a | 344 |
| jumping | *raq'-a | 968 |
| jut out, to | *gar$^y$- | 374 |
| | *mun- | 902 |
| keen, to be | *ħak$^h$- | 705 |
| keeper | *war-a | 813 |
| kid | *gad-a | 356 |
| kill, to | *g$^w$an- | 508 |
| | *q'$^w$al- | 589 |
| | *ħal- | 708 |
| killing | *d$^y$ab-a | 248 |
| | *q$^h$at$^h$-a | 574 |
| | *q'$^w$al-a | 589 |
| | *ħal-a | 708 |
| kind (= benevolent) | *bar-a | 34 |
| kind, to be | *bar- | 34 |
| kindle, to | *bud- | 57 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ʕal- | 748 |
| kindness | *bar-a | 34 |
| kinsman | *ʔar-a | 643 |
| kite | *ħur-a (and/or *ħer-a ?) | 742 |
| knead (clay), to | *diqʰ- | 167 |
| knee | *b[e]r-a | 44 |
| knife | *sakʰ-a | 319 |
| | *č'ir-a | 341 |
| | *šar-a | 343 |
| | *kʷʰar-a | 519 |
| | *k'ʷat'-a | 548 |
| | *t͡ɬʰar-a | 600 |
| | *waħ-a | 795 |
| | *waŋ-a | 811 |
| | *miʔ-a | 893 |
| knob | *k'aŋ-a | 474 |
| | *k'um-a | 503 |
| knock | *t'uk'-a | 244 |
| | *k'an-a | 472 |
| | *k'ud-a | 495 |
| | *k'ʷad-a | 532 |
| knock, to | *tʰapʰ- | 193 |
| | *t'uk'- | 244 |
| | *tʸʰum- | 263 |
| knot | *kʰatʰ-a | 432 |
| | *k'ačʰ-a | 457 |
| | *k'aŋ-a | 474 |
| | *k'enʸ-a | 487 |
| know, to | *ʔil- | 669 |
| | *ʕey- | 760 |
| knowledge | *baw-a | 39 |
| known | *ʕey-a | 760 |
| known, to make | *c'ar- or *č'ar- | 310 |
| | *kʰal- | 410 |
| | *war- and/or *wir- | 818 |
| labor | *daw-a | 157 |
| | *kʰam-a | 414 |
| labor, to | *kʰam- | 414 |
| | *k'acʰ- | 456 |
| lack | *bad-a | 8 |
| | *gaʔ-a | 350 |
| | *k'al-a | 463 |
| | *ʔek'-a | 659 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ħiw-a, *ħiy-a | 737 |
| lack, to | *ħiw-, *ħiy- | 737 |
| lacking | *gaʔ-a | 350 |
| | *k'al-a | 463 |
| lacking, to be | *ʔek'- | 659 |
| ladle | *k$^h$ay-a | 440 |
| lake | *mor-a | 900 |
| lament, to | *k'um- | 500 |
| lamentation | *k'ar-a | 479 |
| | *k'um-a | 500 |
| | *wal-a | 799 |
| land (= countryside) | *q'an-a | 580 |
| land (= earth; ground) | *ʔul-a | 682 |
| | *mag-a | 851 |
| land, any piece of | *lam-a | 952 |
| | *lam-d-a | 952 |
| language | *t'il-a | 240 |
| | *k$^h$il-a | 441 |
| lap (up), to | *lab- | 943 |
| | *las$^y$-, *lis$^y$-, *lus$^y$- | 953 |
| lap up, to | *lak$^h$- | 948 |
| lard | *s$^y$il-a | 283 |
| large | *bir-a | 49 |
| | *ħal$^y$-a | 711 |
| | *maʔ-a | 847 |
| | *mik'-a | 896 |
| large amount | *k$^h$um-a | 450 |
| | *man-g-a | 872 |
| large fish | *k$^{wh}$al-a | 518 |
| large quantity | *g$^w$an-a | 509 |
| | *maʔ-a | 847 |
| large quantity or amount | *bul-a | 63 |
| largeness | *bir-a | 49 |
| lax | *dow-a, *doy-a | 169 |
| laxity | *dow-a, *doy-a | 169 |
| lay, to | *k$^h$ay- | 438 |
| lay down, to | *lag- | 944 |
| lay waste, to | *ħal- | 708 |
| | *ħul- | 741 |
| laying down, the act of | *lag-a | 944 |
| lead, to | *wad- | 794 |
| leader | *p$^h$ar-a | 101 |
| | *day-a | 161 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ħak'-a | 707 |
| leading, the act of | *wad-a | 794 |
| leaf | *t'or$^{y}$-a | 241 |
| leak | *dun-a | 179 |
| leak, to | *dun- | 179 |
| | *k'$^{w}$al$^{y}$- | 536 |
| leak out, to | *ʒar- or *ǯar- | 296 |
| lean (= emaciated) | *c'aw-a | 311 |
| | *c'aw-l$^{y}$-a | 311 |
| lean, to be or become | *c'aw- | 311 |
| | *c'aw-V-l$^{y}$- | 311 |
| lean down (= bend down), to | *c'ar- | 309 |
| lean, that which is | *c'aw-a | 311 |
| | *c'aw-l$^{y}$-a | 311 |
| learning | *k$^{h}$al-a | 410 |
| leather | *k'$^{w}$oy-a | 552 |
| leave, to | *t'aw- | 232 |
| | *č$^{h}$al- | 335 |
| | *gaʔ- | 350 |
| | *γor- | 784 |
| | *γor-V-b- | 784 |
| leave behind, to | *č$^{h}$al- | 335 |
| | *gaʔ- | 350 |
| leaving | *bar-a | 37 |
| | *γor-a | 784 |
| | *γor-b-a | 784 |
| left behind | *gaʔ-a | 350 |
| leg | *lak$^{h}$-a | 949 |
| leisure | *č$^{h}$al-a | 335 |
| leasure, at | *č$^{h}$al-a | 335 |
| length | *t$^{h}$an$^{y}$-a | 191 |
| | *t'al-a | 223 |
| | *ʔut'-a | 686 |
| | *war-a | 815 |
| lengthen, to | *ʔut'- | 686 |
| | *mad- | 848 |
| | *mat'- | 887 |
| lessen, to | *t$^{h}$aħ- | 185 |
| | *k$^{wh}$ar- | 521 |
| let go, to | *t'aw- | 232 |
| | *č$^{h}$al- | 335 |
| level | *p$^{h}$al-a | 89 |
| level, that which is | *p$^{h}$al-a | 89 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| liberated | *her-a and/or *hor-a | 701 |
| lick, to | *t'al- | 221 |
| | *lak$^{h}$- | 948 |
| | *lak'-, *lik'-, *luk'- | 951 |
| | *las$^{y}$-, *lis$^{y}$-, *lus$^{y}$- | 953 |
| licking | *t'al-a | 221 |
| | *lak$^{h}$-a | 948 |
| | *lak'-a, *lik'-a, *luk'-a | 951 |
| lie (= recline), to | *k$^{h}$ay- | 438 |
| lie down, to | *bad- | 9 |
| | *nak$^{wh}$- | 924 |
| | *lam- | 952 |
| | *lam-V-d- | 952 |
| life | *ħay-a | 733 |
| | *ħay-w-a | 733 |
| | *ʕan-a | 752 |
| | *nap$^{h}$-a, *nip$^{h}$-a, *nup$^{h}$-a | 925 |
| lift, to | *t$^{h}$ul- | 213 |
| | *k'ul- | 498 |
| | *ʕam- | 750 |
| | *ʕam-V-d- | 750 |
| | *xaŋ- | 773 |
| lift (up), to | *nit͡ɬ$^{h}$- | 932 |
| lift up, to | *sal- | 321 |
| | *k$^{h}$il$^{y}$- | 442 |
| | *hal- | 690 |
| | *ʕar-V-g- | 756 |
| lifting, the act of | *nit͡ɬ$^{h}$-a | 932 |
| light (= luminosity) | *bah-a | 13 |
| | *bar-a | 33 |
| | *bud-a | 57 |
| | *t'ay-a or *t'iy-a | 235 |
| | *ʔel-a | 660 |
| | *wal$^{y}$-a | 805 |
| | *wil$^{y}$-a | 833 |
| | *law-a | 956 |
| lightning | *bar-a | 33 |
| like (= as) | *wa- (~ *wə-) | 792 |
| like, to | *mal- | 860 |
| like, to be (= to resemble) | *sam- | 322 |
| likeness | *sam-a | 322 |
| limit | *mad-a | 848 |
| | *mat'-a | 887 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| lip | *$las^y$-a, *$lis^y$-a, *$lus^y$-a | 953 |
| liquid | *šuw-a | 349 |
| | *šuw-l-a | 349 |
| | *maw-a | 889 |
| list (= enumerate), to | *t'il- | 239 |
| listen, to | *$sad^y$- | 316 |
| | *$k^h$ul- | 448 |
| little | *k'al-a | 463 |
| littleness | *k'al-a | 463 |
| live, to | *ʔil- | 667 |
| | *ħay- | 733 |
| | *ħay-V-w- | 733 |
| | *ʕan- | 752 |
| living | *ʔil-a | 667 |
| load | *t'an-a | 226 |
| | *ʔan-a | 632 |
| | *wig-a | 832 |
| load tightly together, to | *t'an- | 226 |
| load up and go, to | *ʔan- | 632 |
| location | *ʔin-a (~ *ʔen-a) | 670 |
| lofty | *bir-g-a | 49 |
| loneliness | *$k^h$ay-a | 437 |
| | *$k^h$ay-w-a | 437 |
| | *xol-a | 776 |
| lonely | *xol-a | 776 |
| long | *t'al-a | 223 |
| | *ʔut'-a | 686 |
| long for, to | *haw- | 697 |
| long-lasting | *$t^h an^y$-a | 191 |
| long-lasting, to be | *$t^h an^y$- | 191 |
| look, to | *war- | 813 |
| look at, to | *day- | 160 |
| | *gal- | 360 |
| loop | *c'ur-a | 314 |
| | *$sak'^w$-a | 320 |
| lord | *$p^h$ar-a | 101 |
| | *ʔad-a | 617 |
| lose one's mind, to | *ʔeb- | 657 |
| lose one's way, to | *ʔeb- | 657 |
| loss | *gaʔ-a | 350 |
| | *$gup^h$-a | 395 |
| | *ʔek'-a | 659 |
| loud clatter | *ɢad-a | 554 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ɢad-ɢad-a | 554 |
| loud noise | *ɢad-a | 554 |
| | *ɢad-ɢad-a | 554 |
| | *$x^w$ir-a | 781 |
| loud noise, to make a | *ɢad- | 554 |
| | *ɢad-ɢad- | 554 |
| | *$x^w$ir- | 781 |
| loud rumble | *ɢad-a | 554 |
| | *ɢad-ɢad-a | 554 |
| loud sound, to make a | *ɢad- | 554 |
| | *ɢad-ɢad- | 554 |
| love | *$p^h$ar-a | 98 |
| low | *$p^h$ul-a | 125 |
| | *lam-a | 952 |
| | *lam-d-a | 952 |
| low, to be | *lam- | 952 |
| | *lam-V-d- | 952 |
| lower | *$k^h$a$t^h$-a | 434 |
| | *ħal-a | 710 |
| lower part | *$k^h$a$t^h$-a | 434 |
| | *ħal-a | 710 |
| lower place | *$k^h$a$t^h$-a | 434 |
| lower thing | *$k^h$a$t^h$-a | 434 |
| lower, to | *ħal- | 710 |
| lowest part of anything | *ʔul-a | 682 |
| lowest part or region (of anything) | *bud-a | 58 |
| lowland | *lam-a | 952 |
| | *lam-d-a | 952 |
| lowly, to be | *ʔek'- | 659 |
| low-lying ground | *lam-a | 952 |
| | *lam-d-a | 952 |
| lump | *bun-a | 70 |
| | *p'ul-a | 140 |
| | *$t^h$aw-a | 202 |
| | *k'ar-a | 482 |
| | *k'um-a | 501 |
| | *k'um-a | 503 |
| lust | *man$^y$-a | 873 |
| lust after, to | *man$^y$- | 873 |
| luster | *ʔel-a | 660 |
| | *wal$^y$-a | 805 |
| lying down | *bad-a | 9 |
| maceration | *$t^h$aħ-a | 185 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| mad | *ʔeb-a | 657 |
| (mad, to be) | *dul- | 173 |
| (mad, to drive someone) | *dul- | 173 |
| mad, to go | *ʔeb- | 657 |
| made in a skillful manner, that which is | *t'am-a | 225 |
| (madness) | *dul-a | 173 |
| madness | *ʔeb-a | 657 |
| maggot | *$k^{wh}$ur-a | 531 |
| magnificence | *mag-a | 850 |
| make, to | *daw- | 157 |
| | *$t^h$i$k^h$- | 206 |
| | *$k^h$am- | 414 |
| | *$k^{wh}$ey- | 527 |
| make an effort, to | *woy- | 838 |
| make clear, to | *c'ar- or *č'ar- | 310 |
| | *$k^h$al- | 410 |
| make fast, to | *dab- | 145 |
| make fun of, to | *ʒak'- | 295 |
| make known, to | *c'ar- or *č'ar- | 310 |
| | *$k^h$al- | 410 |
| | *war- and/or *wir- | 818 |
| make (something) in a skillful manner, to | *t'am- | 225 |
| make something, tool used to | *$t^h$i$k^h$-a | 206 |
| making (something) in a skillful manner, the act of | *t'am-a | 225 |
| make sport, to | *ʒak'- | 295 |
| making something, the act of | *$t^h$i$k^h$-a | 206 |
| malady | *$mar^y$-a | 885 |
| | *muŋ-a | 904 |
| | *$nus^y$-a | 936 |
| male | *$k^h$um-a | 451 |
| | *ʔar-a | 642 |
| | *war-a | 812 |
| | *$man^y$-a | 874 |
| male (human or animal) | *g[e]n-d-a | 378 |
| | *xam-a | 771 |
| | *xam-d-a | 771 |
| | *mar-a | 878 |
| male animal | *war-a | 812 |
| male genitals | *$p^h as^y$-a | 110 |
| male in-law, (elder) | *t'ay-a | 234 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| male relative | *ʔay(y)a | 655 |
| male relative, (elder) | *t'ay-a | 234 |
| male relative, older | *ʔak$^h$k$^h$a | 625 |
| | *ʔat$^h$t$^h$a | 647 |
| male relative, (older) | *ʔaŋ(ŋ)a | 639 |
| male of certain animals | *daq$^h$-a | 151 |
| male of small, hoofed animals | *buk'-a (~ *bok'-a) | 62 |
| male sheep | *k$^h$ab-a | 403 |
| malevolent | *dar-a | 153 |
| malicious | *nad$^y$-a | 920 |
| malicious, to be | *nad$^y$- | 920 |
| mallet | *k'an-a | 472 |
| man | *k$^h$um-a | 451 |
| | *ʔar-a | 642 |
| | *war-a | 812 |
| | *man$^y$-a | 874 |
| man, (young) | *mar-a | 878 |
| man, old | *p'ap'-a | 139 |
| manifest | *wil$^y$-a | 833 |
| manifest, to | *wil$^y$- | 833 |
| manifestation | *wil$^y$-a | 833 |
| manly, to be | *xam- | 771 |
| | *xam-V-d- | 771 |
| manner | *ħar-a | 721 |
| manslaughter | *q'$^w$al-a | 589 |
| many | *baǯ-a | 42 |
| | *p$^h$al-a | 91 |
| | *ʔap$^h$-a | 640 |
| | *maʔ-a | 847 |
| | *mak'-a | 856 |
| | *mal-a | 859 |
| | *man-g-a | 872 |
| many, to be | *baǯ- | 42 |
| | *maʔ- | 847 |
| marsh | *mar-a | 883 |
| mark off, to | *miħ- | 895 |
| mash, to | *nad$^y$- | 919 |
| mashed, anything | *nad$^y$-a | 919 |
| mass | *k'um-a | 501 |
| massacre | *wel-a | 828 |
| massive | *t$^h$ik'-a | 207 |
| massiveness | *t$^h$ik'-a | 207 |
| master | *p$^h$ar-a | 101 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ʔad-a | 617 |
| | *ħar-a | 723 |
| mastery | *ħin-k$^h$-a | 736 |
| mat | *k$^h$at$^h$-a | 432 |
| | *net'$^y$-a | 929 |
| mature | *p$^h$ar$^y$-a | 107 |
| | *ʕat$^h$-a | 757 |
| mature, to | *bul-V-γ- | 65 |
| | *p$^h$ar$^y$- | 107 |
| | *n$^y$aʕ-V-r- | 937 |
| maturity | *bul-γ-a | 65 |
| | *p$^h$ar$^y$-a | 107 |
| | *ʕat$^h$-a | 757 |
| me | *ʔa- (~ *ʔə-), *ʔi- (~ *ʔe-) | 613 |
| | *wa- (~ *wə-) | 791 |
| | *mi (~ *me) | 892 |
| | *na (~ *nə) | 911 |
| mead | *mad-w-a | 849 |
| meadow | *wel$^y$-a | 829 |
| meager | *k'al-a | 463 |
| meal (= food; repast) | *ʔak$^h$-a | 621 |
| | *ʕun$^y$-a | 765 |
| mean (= nasty) | *p$^h$ul-a | 125 |
| | *nad$^y$-a | 920 |
| mean (= nasty), to be | *nad$^y$- | 920 |
| measure | *mad-a | 848 |
| | *mat'-a | 887 |
| | *miħ-a | 895 |
| measure, to | *miħ- | 895 |
| measure out, to | *mad- | 848 |
| | *mat'- | 887 |
| measurement | *xal-a | 770 |
| | *mad-a | 848 |
| | *mat'-a | 887 |
| | *miħ-a | 895 |
| melt, to | *ɢar- | 560 |
| melted | *ɢar-a | 560 |
| memory | *gun-a | 394 |
| mentally sharp, to be | *ħak$^h$- | 705 |
| metal | *hay-a | 700 |
| method | *ħar-a | 721 |
| midday heat | *hag-a | 687 |
| middle | *k'$^w$ar-b-a | 543 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$mat^h$-a or *$met^h$-a | 886 |
| might | *gad-a | 354 |
| | *wak'-a | 796 |
| | *mag-a | 850 |
| mighty | *gad-a | 354 |
| | *ʔab-a | 615 |
| | *ʔad-a | 617 |
| mighty, to be | *ʔad- | 617 |
| | *mak'- | 856 |
| mighty, to be or become | *gad- | 354 |
| milk | *mam(m)a, *mema | 845 |
| | *mal-a | 862 |
| mincing, the act of | *k'ep'-a | 488 |
| mind | *san-a or *šan-a, | |
| | *sin-a or *šin-a, | |
| | *sun-a or *šun-a | 323 |
| | *gun-a | 394 |
| minute (= small) | *$nus^y$-a | 934 |
| minute (= small), to be | *$nus^y$- | 934 |
| misery | *muŋ-a | 904 |
| misfortune, exclamation of | *hay | 699 |
| mist | *$p'ul^y$-a | 141 |
| | *ħag-a | 704 |
| mistaken, to be | *mal- | 866 |
| misty | *ħag-a | 704 |
| mix, to | *bul- | 67 |
| | *k'al- | 465 |
| mix together, to | *$k'at^h$- | 483 |
| mix up, to | *bul- | 67 |
| mixed colors, that which is | *bul-a | 68 |
| mixture | *bul-a | 67 |
| | *$k'at^h$-a | 483 |
| moan | *k'um-a | 500 |
| | *$k'^w$as-a | 546 |
| moan, to | *k'um- | 500 |
| | *$k'^w$as- | 546 |
| mock, to | *ʒak'- | 295 |
| mockery | *ʒak'-a | 295 |
| moist | *šuw-a | 349 |
| | *šuw-l-a | 349 |
| | *mat'-a | 888 |
| | *nat'-a | 927 |
| moist, to be | *mat'- | 888 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| moisten, to | *t'al$^{y}$- | 224 |
| | *wal- | 801 |
| | *wet'- | 831 |
| | *nat'- | 927 |
| | *laħ- | 946 |
| | *law- | 958 |
| | *rek'- | 971 |
| moistness | *nat'-a | 927 |
| | *laħ-a | 946 |
| moisture | *šuw-a | 349 |
| | *šuw-l-a | 349 |
| | *wal-a | 801 |
| | *mat'-a | 888 |
| mold | *lip'-a | 961 |
| mold, to | *lip'- | 961 |
| mold (clay), to | *diq$^{h}$- | 167 |
| moment | *ʔam-a | 630 |
| mommy | *ma(a) | 845 |
| more | *ʔap$^{h}$-a | 640 |
| more, that which is | *ʔap$^{h}$-a | 640 |
| more, to be | *ʔap$^{h}$- | 640 |
| moreover | *ʔap$^{h}$- | 640 |
| morning | *dil$^{y}$-a | 165 |
| morsel | *bal-a | 20 |
| | *ʔak$^{h}$-a | 621 |
| | *mol-a | 899 |
| morsel bitten | *t͡ɬ'ar-s-a | 609 |
| mortar | *ħur-a | 743 |
| | *mol-a | 899 |
| mosquito | *k'uɢ-n-a (~ *k'oɢ-n-a) | 497 |
| most prominent (person or thing) | *xaŋ-t$^{h}$-a | 774 |
| most prominent, that which is | *xaŋ-a | 773 |
| most prominent part | *mun-a | 902 |
| most prominent person | *ner-a | 928 |
| most prominent thing | *ner-a | 928 |
| mother | *da | 144 |
| | *da-da- | 144 |
| | *ʔam(m)a | 631 |
| | *ʔan$^{y}$a | 636 |
| | *ʔay(y)a | 654 |
| | *ʔema | 661 |
| | *ʔen$^{y}$a | 662 |
| | *ma(a) | 845 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *mam(m)a, *mema | 845 |
| motion | *$q^h$ad-a | 570 |
| motion, any rapid | *ʔor-a | 676 |
| | *raq'-a | 968 |
| motion, to be in | *$q^h$ad- | 570 |
| motion, to put into | *$q^h$ad- | 570 |
| mound | *$t^h$ul-a | 213 |
| mount, to | *ʔor$^y$-V-g- | 678 |
| | *ʕar-V-g- | 756 |
| mountain | *t'id-a | 238 |
| | *ʕal-a | 747 |
| | *mal-a | 858 |
| mountain-goat | *ʔar-a | 644 |
| mounting | *ʔor$^y$-g-a | 678 |
| | *ʕar-g-a | 756 |
| mourning | *k'um-a | 500 |
| mouth | *ham-a | 694 |
| | *haŋ-a | 695 |
| mouth, to take into the | *ham- | 694 |
| move, to | *gir$^y$- or *ɢir$^y$- | 388 |
| | *k'al- | 465 |
| | *$q^h$ad- | 570 |
| | *ʕat$^h$- | 757 |
| | *rag- | 963 |
| move about, to | *$k^{wh}$al- | 513 |
| move away from, to | *ʔot'- | 679 |
| move back and forth, to | *raq'- | 968 |
| move hastily, to | *ʔor- | 676 |
| move out of the way, to | *ʔot'- | 679 |
| move quickly, to | *$p^h$at'- | 113 |
| | *ʔek$^h$- | 658 |
| | *ʔor- | 676 |
| | *ħap$^h$- | 720 |
| | *raq'- | 968 |
| move rapidly, to | *$p^h$at$^h$- | 111 |
| | *$k^{wh}$at$^h$- | 524 |
| | *ʔor- | 676 |
| move swiftly, to | *$p^h$ar- | 102 |
| | *$p^h$ir- | 120 |
| | *gir$^y$- or *ɢir$^y$- | 388 |
| move to or toward, to | *ʔot'- | 679 |
| movement | *gir$^y$-a or *ɢir$^y$-a | 388 |
| | *$q^h$ad-a | 570 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *rag-a | 963 |
| movement, rapid | *$k^{wh}at^{h}$-a | 524 |
| | *ʔ$ek^{h}$-a | 658 |
| movement, violent | *ʔ$ek^{h}$-a | 658 |
| movement away from | *ʔot'-a | 679 |
| movement to or toward | *ʔot'-a | 679 |
| much | *baǯ-a | 42 |
| | *$p^{h}$al-a | 91 |
| | *k'an-a | 471 |
| | *mak'-a | 856 |
| | *mik'-a | 896 |
| much, to be | *baǯ- | 42 |
| mucous, dried | *$p^{h}ak^{h}$-a | 85 |
| mud | *$diq^{h}$-a | 167 |
| mulberry | *mur-a | 907 |
| multitude | *$k^{h}$um-a | 450 |
| | *ɢam-a | 558 |
| | *man-a | 871 |
| | *man-g-a | 872 |
| mumble | *$k'^{w}$as-a | 546 |
| mumble, to | *$k'^{w}$as- | 546 |
| munch, to | *k'ep'- | 488 |
| murder | *$q'^{w}$al-a | 589 |
| | *wed-a | 827 |
| | *$nik^{h}$-a | 931 |
| murmur | *$k'^{w}$as-a | 546 |
| | *ɢar-a | 559 |
| | *ɢar-ɢar-a | 559 |
| | *mur-a | 908 |
| | *mur-mur-a | 908 |
| murmur, to | *$k'^{w}$as- | 546 |
| | *mur- | 908 |
| | *mur-mur- | 908 |
| musical instrument | *bir-a | 50 |
| mutilated | *mur-a | 905 |
| mutter, to | *ɢar- | 559 |
| | *ɢar-ɢar- | 559 |
| my | *ʔiya | 674 |
| name | *ǯaħ-a | 331 |
| nape of the neck | *$k'ap^{h}$-a | 477 |
| narrow | *ħan-g-a | 717 |
| narrow, to make | *ħan-V-g- | 717 |
| near | *gid-a or *ɢid-a | 381 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| near to, to draw | *ʔan$^{y}$- | 634 |
| nearness | *ʔan$^{y}$-a | 634 |
| neck | *q$^{h}$ar$^{y}$-a | 573 |
| | *q'el-a | 583 |
| | *q'$^{w}$ur-a | 595 |
| | *x$^{w}$el$^{y}$-a | 780 |
| | *mak$^{h}$-a | 854 |
| need | *bad-a | 8 |
| | *gaʔ-a | 350 |
| | *ʔek'-a | 659 |
| | *ħiw-a, *ħiy-a | 737 |
| needs fulfilled, to have all | *t$^{h}$ir- | 208 |
| | *t$^{h}$ir-V-p$^{h}$- | 209 |
| need, to stand in | *ħiw-, *ħiy- | 737 |
| needy | *k'al-a | 463 |
| negative/prohibitive particle | *ʔe | 656 |
| | *ma(ʔ)- (~ *mə(ʔ)-) | 846 |
| | *na (~ *nə), *ni (~ *ne), | |
| | *nu (~ *no) | 915 |
| nerve | *s$^{y}$ir-a | 285 |
| net | *k$^{h}$at$^{h}$-a | 432 |
| | *net'$^{y}$-a | 929 |
| news | *war-a and/or *wir-a | 818 |
| next | *mal-a | 864 |
| nick (= incision; notch) | *ħaʒ-a | 735 |
| night | *rum-a | 975 |
| nighttime | *nak$^{wh}$-a | 924 |
| nip, to | *t'$^{y}$ip$^{h}$- | 275 |
| nip off, to | *k'ir- or *k'ur- | 491 |
| nipple | *diy-a | 168 |
| | *ʒuʒ-a | 302 |
| | *ʕim-a | 762 |
| no | *ʔe | 656 |
| | *ma(ʔ)- (~ *mə(ʔ)-) | 846 |
| | *na (~ *nə), *ni (~ *ne), | |
| | *nu (~ *no) | 915 |
| nobility | *mag-a | 850 |
| noble | *ħar-a | 723 |
| nobleman | *ħar-a | 723 |
| noise | *baħ-a | 14 |
| | *bar-a | 36 |
| | *bug-r-a | 61 |
| | *daw-a | 156 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *gal-a | 361 |
| | *$k^h$al-a | 408 |
| | *$k^h$aŋ-a | 418 |
| | *$k^h$il-a | 441 |
| | *q'$^w$al-a | 588 |
| | *waʕ-a | 793 |
| | *wal-a | 799 |
| | *mur-a | 908 |
| | *mur-mur-a | 908 |
| noise, (rustling or rumbling) | *t'$^y$ar-a | 272 |
| noise, loud | *ɢad-a | 554 |
| | *ɢad-ɢad-a | 554 |
| | *$x^w$ir-a | 781 |
| noise, to make | *baħ- | 14 |
| | *bug-V-r- | 61 |
| | *daw- | 156 |
| | *t'$^y$ar- | 272 |
| noise, to make a | *$k^h$al- | 408 |
| | *$k^h$aŋ- | 418 |
| | *$k^h$il- | 441 |
| | *mur- | 908 |
| | *mur-mur- | 908 |
| noise, to make a loud | *ɢad- | 554 |
| | *ɢad-ɢad- | 554 |
| | *$x^w$ir- | 781 |
| noise, to utter a | *bar- | 36 |
| noisy, to be | *gal- | 361 |
| nose | *san-a or *šan-a, | |
| | *sin-a or *šin-a, | |
| | *sun-a or *šun-a | 323 |
| not | *ʔe | 656 |
| | *ma(ʔ)- (~ *mə(ʔ)-) | 846 |
| | *na (~ *nə), *ni (~ *ne), | |
| | *nu (~ *no) | 915 |
| notch | *dal-a | 148 |
| | *k'ir-a or *k'ur-a | 491 |
| | *ħaʒ-a | 735 |
| notch, to | *dal- | 148 |
| | *k'ir- or *k'ur- | 491 |
| | *ħaʒ- | 735 |
| nothing | *ʔal-a | 628 |
| notice | *gun-a | 394 |
| | *guw-a | 399 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| notice, to | *baw- | 39 |
| | *gun- | 394 |
| | *guw- | 399 |
| | *ʕen- | 758 |
| noticeable, that which is | *xaŋ-a | 773 |
| notion | *ʕeŋ-a | 759 |
| nourish, to | *$p^h in^y$- | 118 |
| | *k'al- | 461 |
| nourishing | *$p^h in^y$-a | 118 |
| nourishment | *$p^h$aħ-a | 84 |
| | *$p^h in^y$-a | 118 |
| | *k'al-a | 461 |
| | *t͡ɬ'ar-s-a | 609 |
| | *ʔit'-a | 672 |
| now | *ʔam-a | 630 |
| | *nu | 933 |
| number | *xal-a | 770 |
| numerous | *ʔap$^h$-a | 640 |
| | *mal-a | 859 |
| | *man-g-a | 872 |
| numerous, to be | *baʒ- | 42 |
| nurse, to | *k'$^w$an- | 538 |
| | *mam-, *mem- | 845 |
| | *mal- | 862 |
| nurse (a child), to | *man- | 867 |
| nurture, to | *$p^h in^y$- | 118 |
| nutriment | *k'al-a | 461 |
| obscure | *bal-a | 18 |
| obscure, to | *dum- | 177 |
| | *ħag- | 704 |
| obscure, to be or become | *bal- | 18 |
| obscurity | *bal-a | 18 |
| | *k'ar-a | 480 |
| observation | *guw-a | 399 |
| | *k'an$^y$-a | 475 |
| | *raʔ-a | 962 |
| | *raʔ-y-a | 962 |
| | *rak'-a | 967 |
| observe, to | *baw- | 39 |
| | *guw- | 399 |
| | *k'an$^y$- | 475 |
| | *war- | 813 |
| | *rak'- | 967 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| observes, that which | *k'an$^{y}$-a | 475 |
| observing, the act of | *k'an$^{y}$-a | 475 |
| obstacle | *t'ad-a | 218 |
| obstruct, to | *t'ad- | 218 |
| obstruction | *t'ad-a | 218 |
| obtain, to | *sag- or *šag- | 317 |
| obtained | *ʔam-a | 629 |
| obvious, to be or become | *gal- | 360 |
| occur, to | *bad- | 7 |
| odor | *ʕut'-a | 767 |
| odor, to give off a strong | *d$^{y}$ip$^{h}$- | 255 |
| offer, to | *ħin-V-k$^{h}$- | 736 |
| offering | *ħin-k$^{h}$-a | 736 |
| offspring | *p$^{h}$as$^{y}$-a | 110 |
| | *p$^{h}$ir-a | 119 |
| | *k'an-a | 469 |
| | *ʔum-a | 684 |
| | *n$^{y}$ap$^{h}$-a | 940 |
| (oil) | *p$^{h}$ul$^{y}$-a | 127 |
| oil | *mar-a | 881 |
| ointment | *mar-a | 881 |
| old | *bul-a | 69 |
| | *t$^{h}$an$^{y}$-a | 192 |
| | *s$^{y}$en$^{y}$-a | 282 |
| | *ʒaw-a | 333 |
| | *gir$^{y}$-a | 387 |
| | *k'er-a | 489 |
| | *ʕat$^{h}$-a | 757 |
| | *wat$^{h}$-a | 822 |
| old, to be or become | *gir$^{y}$- | 387 |
| old, to become | *bul- | 69 |
| | *k'er- | 489 |
| old, to grow | *p$^{h}$ar$^{y}$- | 107 |
| | *t$^{h}$an$^{y}$- | 192 |
| | *s$^{y}$en$^{y}$- | 282 |
| | *t͡ɬ$^{h}$ay- | 602 |
| | *wat$^{h}$- | 822 |
| old age | *t$^{h}$an$^{y}$-a | 192 |
| | *s$^{y}$en$^{y}$-a | 282 |
| | *gir$^{y}$-a | 387 |
| | *k'er-a | 489 |
| | *t͡ɬ$^{h}$ay-a | 602 |
| | *ʕat$^{h}$-a | 757 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| old man | *p'ap'-a | 139 |
| old person | *$s^y$en$^y$-a | 282 |
| | *gir$^y$-a | 387 |
| | *k'er-a | 489 |
| old woman | *p'ap'-a | 139 |
| (older) female relative | *ʔaŋ(ŋ)a | 638 |
| (older) male relative | *ʔaŋ(ŋ)a | 639 |
| older female relative | *ʔak$^h$k$^h$a | 624 |
| | *ʔema | 661 |
| older male relative | *ʔak$^h$k$^h$a | 625 |
| | *ʔat$^h$t$^h$a | 647 |
| older relative (male or female) | *ʔat'$^y$a | 648 |
| on | *ʔan$^y$- | 635 |
| | *ʕal- | 747 |
| on fire, to be | *hag- | 687 |
| on top of | *ʕal- | 747 |
| | *xaŋ- | 773 |
| one | *ʔoy-a | 681 |
| one [indefinite pronoun stem] | *ma- (~ *mə-), | |
| | *mi- (~ *me-), | |
| | *mu- (~ *mo-) | 844 |
| one who makes or constructs something in a skillful manner | *t'am-a | 225 |
| ooze, to | *k'$^w$al$^y$- | 536 |
| open | *p$^h$al-a | 89 |
| | *p$^h$at$^h$-a | 112 |
| open, that which is | *p$^h$al-a | 89 |
| open, to | *ban- | 23 |
| | *p$^h$at$^h$- | 112 |
| | *haŋ- | 695 |
| open, to be | *p$^h$at$^h$- | 112 |
| | *wel$^y$- | 829 |
| open, to burst | *p$^h$at$^h$- | 112 |
| open land | *bar-a | 38 |
| | *wel$^y$-a | 829 |
| open space | *p$^h$al-a | 89 |
| | *p$^h$at$^h$-a | 112 |
| | *wel$^y$-a | 829 |
| open surface | *p$^h$al-a | 89 |
| open the mouth, to | *haŋ- | 695 |
| opening | *bad-a | 5 |
| | *ban-a | 23 |
| | *p$^h$ač$^h$-a | 82 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$p^hat^h$-a | 112 |
| | *$p^hut^h$-a | 137 |
| | *dur-a | 181 |
| | *$t^yh$al-m-a | 258 |
| | *haŋ-a | 695 |
| oppose, to | *ʔet$^h$- | 665 |
| | *mar- | 877 |
| opposite side | *$t^yh$in-a | 260 |
| opposite, that which is | *ʔet$^h$-a | 665 |
| oppress, to | *bad- | 7 |
| | *dal$^y$- | 150 |
| | *hak'- | 689 |
| oppressed | *dal$^y$-a | 150 |
| oppressed, to be | *ħag- | 703 |
| opression | *bad-a | 7 |
| | *hak'-a | 689 |
| | *ħag-a | 703 |
| or | *ʔaw-, *ʔwa- (~ *ʔwə-) | 649 |
| | *ħar$^y$- | 725 |
| order | *woy-k$^h$-a | 839 |
| order, to arrange in | *woy-V-k$^h$- | 839 |
| order, to put in | *woy-V-k$^h$- | 839 |
| ordinary, to be | *ʔek'- | 659 |
| ore | *hay-a | 700 |
| origin | *$p^hit'^y$-a | 123 |
| originate, to | *bad- | 10 |
| origination | *bad-a | 10 |
| other | *$t^yh$in-a | 260 |
| | *hal-a | 691 |
| | *mal-a | 864 |
| other [indefinite pronoun stem] | *ma- (~ *mə-), | |
| | *mi- (~ *me-), | |
| | *mu- (~ *mo-) | 844 |
| other side | *$t^yh$in-a | 260 |
| | *hal-a | 691 |
| otherwise | *hal- | 691 |
| outcry | *q'$^w$al-a | 588 |
| outdoor area | *ʔut'-a | 686 |
| outer covering | *k'$^w$oy-a | 552 |
| outgrowth | *dar$^y$-a | 155 |
| | *ʕag-a | 745 |
| outpour | *baʕ-a | 1 |
| | *bal-a | 19 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| outside of, to go | *gus- | 398 |
| outside, to make to go | *gus- | 398 |
| outsider | *gus-a | 398 |
| outstrip, to | *p$^{h}$ar- | 101 |
| oven | *ʔep$^{h}$-a | 663 |
| over (= above) | *ʔan$^{y}$- | 635 |
| | *ʕal- | 747 |
| | *xaŋ- | 773 |
| over (= above), that which is | *ʔap$^{h}$-a | 640 |
| over (= above), to be | *ʔap$^{h}$- | 640 |
| | *ħar- | 723 |
| overflow | *ʔib-a | 666 |
| overflow, to | *bal- | 19 |
| | *bul- | 63 |
| | *bun- | 71 |
| | *k'$^{w}$al$^{y}$- | 536 |
| | *ʔib- | 666 |
| | *ħaw- | 730 |
| overshadow, to | *t'$^{y}$al- and/or *t'$^{y}$il- | 266 |
| | *ħag- | 704 |
| overtake, to | *p$^{h}$ar- | 101 |
| overturn, to | *maq$^{wh}$- | 876 |
| | *mar- | 879 |
| overturned | *hap$^{h}$-a | 696 |
| overturning | *hap$^{h}$-a | 696 |
| | *maq$^{wh}$-a | 876 |
| ox | *k'$^{w}$ow-a | 551 |
| pacify, to | *t'um- | 246 |
| pack | *bag-a | 12 |
| pack tightly together, to | *t'an- | 226 |
| pack together, to | *hak'- | 689 |
| packed tightly together | *t'an-a | 226 |
| pain | *p$^{h}$al$^{y}$-a | 95 |
| | *t$^{h}$al$^{y}$-a | 189 |
| | *gal-a | 362 |
| | *k'ac$^{h}$-a | 456 |
| | *hak'-a | 689 |
| | *wal-a | 803 |
| | *mir-a | 898 |
| | *muŋ-a | 904 |
| | *nik$^{h}$-a | 931 |
| | *nus$^{y}$-a | 936 |
| pain, to be in | *gal- | 362 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *muŋ- | 904 |
| | *nus$^{y}$- | 936 |
| pain, to cause | *mir- | 898 |
| | *muŋ- | 904 |
| painful, to be | *p$^{h}$al$^{y}$- | 95 |
| pair | *k$^{h}$ol$^{y}$-a | 446 |
| | *yor-a | 790 |
| pair, to | *k$^{h}$ol$^{y}$- | 446 |
| palm (= flat of the hand) | *p$^{h}$al-a | 90 |
| palpitate, to | *p$^{h}$at$^{h}$- | 111 |
| pan | *gub-a | 391 |
| pant, to | *šaw- | 345 |
| parched | *t͡ɬ$^{h}$er-a | 603 |
| part | *p$^{h}$ar-a | 99 |
| | *p$^{h}$as$^{y}$-a | 109 |
| | *dun$^{y}$-a | 180 |
| | *c$^{h}$al-a | 306 |
| | *šiħ-a | 347 |
| | *ʔar-a | 641 |
| part, to | *law- | 957 |
| part asunder, to | *ʔar- | 641 |
| part cut off | *law-a | 957 |
| parted | *ʔar-a | 641 |
| partridge (onomatopoeic bird name) | *k'ak'-a | 460 |
| pass, to | *p$^{h}$ar- | 105 |
| pass (of time), to | *wat$^{h}$- | 822 |
| pass across, to | *p$^{h}$ar- | 105 |
| pass over, to | *p$^{h}$ar- | 105 |
| passage | *p$^{h}$ar-a | 105 |
| | *q$^{h}$ad-a | 570 |
| | *mar-a | 880 |
| passion | *man$^{y}$-a | 873 |
| path | *q$^{h}$ad-a | 570 |
| | *ʔiy-a | 673 |
| paw | *man$^{y}$-a | 875 |
| pay attention, to | *guw- | 399 |
| | *ʕen- | 758 |
| pay-back | *k$^{h}$ap'-a | 421 |
| pay back, to | *k$^{h}$ap'- | 421 |
| payment | *k$^{wh}$ar-a | 523 |
| | *k$^{wh}$ey-a | 526 |
| peace | *t'um-a | 246 |
| | *ʔan$^{y}$-a | 633 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| peace, to be at | *ʔan$^{y}$- | 633 |
| peaceful | *t'um-a | 246 |
| | *ʔan$^{y}$-a | 633 |
| peak (= pinnacle) | *gab-a | 352 |
| | *gar$^{y}$-a | 374 |
| | *k$^{h}$ir-a | 443 |
| | *q'$^{w}$ar-a | 591 |
| | *ʕal-a | 747 |
| peep, to | *c'ir$^{y}$- | 313 |
| peer at, to | *gal- | 360 |
| peg | *t$^{h}$ak$^{h}$-a | 186 |
| | *t'ul$^{y}$-a | 245 |
| | *ʈ$^{h}$uŋ-k$^{h}$-a | 607 |
| pelt (= animal skin) | *nak$^{h}$-a | 923 |
| penis | *bir$^{y}$-a | 53 |
| | *bul-a (~ *bol-a) | 64 |
| | *p$^{h}$as$^{y}$-a | 110 |
| | *k$^{h}$um-a | 451 |
| | *man$^{y}$-a | 874 |
| perceive, to | *san- or *šan-, | |
| | *sin- or *šin-, | |
| | *sun- or *šun- | 323 |
| | *gun- | 394 |
| | *k'an$^{y}$- | 475 |
| | *raʔ- | 962 |
| | *raʔ-V-y- | 962 |
| perceived, that which is | *san-a or *šan-a, | |
| | *sin-a or *šin-a, | |
| | *sun-a or *šun-a | 323 |
| perceives, that which | *san-a or *šan-a, | |
| | *sin-a or *šin-a, | |
| | *sun-a or *šun-a | 323 |
| | *k'an$^{y}$-a | 475 |
| perceiving | *raʔ-a | 962 |
| | *raʔ-y-a | 962 |
| perceiving, the act of | *k'an$^{y}$-a | 475 |
| perception | *san-a or *šan-a, | |
| | *sin-a or *šin-a, | |
| | *sun-a or *šun-a | 323 |
| | *gun-a | 394 |
| | *k'an$^{y}$-a | 475 |
| | *raʔ-a | 962 |
| | *raʔ-y-a | 962 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| period (of time) | *wan-a | 808 |
| perish, to | *bad- | 9 |
| | *gup$^{h}$- | 395 |
| | *mar$^{y}$- | 885 |
| perish, to cause to | *ħul- | 741 |
| perplex, to | *dul- | 173 |
| perplexed, to be | *diɢ- | 164 |
| | *dul- | 173 |
| | *mak$^{h}$- | 855 |
| | *mal- | 866 |
| perplexity | *diɢ-a | 164 |
| | *dul-a | 173 |
| | *mal-a | 866 |
| perturbation | *k'al-a | 465 |
| | *ɢal-a | 557 |
| pestle | *ħur-a | 743 |
| pestle, grinding | *k'$^{w}$ar-a | 542 |
| (pick)axe | *gad-a | 355 |
| | *gar-a | 370 |
| pick, to | *k'er- | 490 |
| | *ħac'- | 702 |
| pick up, to | *k'ul- | 498 |
| picked | *ħac'-a | 702 |
| | *lak'-a | 950 |
| picking, the act of | *ħac'-a | 702 |
| piece | *c$^{h}$al-a | 306 |
| | *gad-a | 355 |
| | *k$^{h}$as-a | 431 |
| | *mol-a | 899 |
| piece broken off | *bit͡ɬ$^{h}$-a | 55 |
| piece cut off | *dum-a | 175 |
| | *dun$^{y}$-a | 180 |
| | *k'ir-a or *k'ur-a | 491 |
| | *k$^{wh}$ar-a | 519 |
| pierce, to | *bur- | 74 |
| | *dal- | 148 |
| | *ʈ$^{h}$ar- | 196 |
| | *ʒer- or *ǯer- | 297 |
| | *c$^{h}$ag- | 303 |
| | *t͡ɬ$^{h}$ak$^{wh}$- | 597 |
| | *xat'- | 775 |
| | *mir- | 898 |
| | *nag- | 921 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| piercing (of sounds) | *$k^hat^h$-a | 435 |
| pile | *$k^haw$-a | 436 |
| pile up, to | *$t^hul$- | 213 |
| | *$k^hum$- | 450 |
| pimple | *$p^hul^y$-a | 126 |
| pinch | *bit'$^y$-a | 54 |
| pinch, to | *t'$^y$ip$^h$- | 275 |
| pit | *$k^hay$-w-a | 440 |
| | *$k^{wh}ar$-a | 520 |
| | *$wur^y$-a | 842 |
| place | *dag-a | 146 |
| | *ʔ$as^y$-a | 646 |
| | *ʔin-a (~ *ʔen-a) | 670 |
| place, to | *dag- | 146 |
| | *daw- | 157 |
| | *day- | 159 |
| | *$k^hay$- | 438 |
| | *ʔ$as^y$- | 646 |
| place down, to | *lag- | 944 |
| place, to put in | *dag- | 146 |
| placed | *ʔ$as^y$-a | 646 |
| placed, to be | *$k^hay$- | 438 |
| placing down, the act of | *lag-a | 944 |
| plain (= evident) | *gal-a | 360 |
| plain, to be | *ʔek'- | 659 |
| plait, to | *t'an- | 227 |
| | *$k^hat^h$- | 432 |
| | *ħaw- | 732 |
| plaited, anything | *t'an-a | 227 |
| plaited, that which is | *$k^hat^h$-a | 432 |
| plaiting, the act of | *ħaw-a | 732 |
| plane, to | *$t^har$- | 199 |
| plank | *č'ir-a | 341 |
| play (a musical instrument), to | *bir- | 50 |
| play (a wind instrument), to | *ʒim- or *ǯim- | 300 |
| play about, to | *ʒak'- | 295 |
| playing (a musical instrument) | *bir-a | 50 |
| playing (a wind instrument) | *ʒim-a or *ǯim-a | 300 |
| pleasant | *mal-a | 860 |
| pleasant, to be | *mak'- | 857 |
| pleasantness | *mal-a | 860 |
| pleased, to be | *$p^har$- | 98 |
| pleasing | *mal-a | 860 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| pleasure | **mak'-a* | 857 |
| plenty | **tʰir-pʰ-a* | 209 |
| | **gam-a* | 366 |
| | **ħapʰ-a* | 719 |
| | **maʔ-a* | 847 |
| plenty, to have | **tʰir-* | 208 |
| | **tʰir-V-pʰ-* | 209 |
| pluck, to | **pʰid-* | 132 |
| | **t'ar-V-pʰ-* | 231 |
| | **k'er-* | 490 |
| | **ħac'-* | 702 |
| pluck off, to | **pʰid-* | 132 |
| | **gal-* | 357 |
| | **k'alʸ-* | 467 |
| pluck out, to | **pʰid-* | 132 |
| | **k'alʸ-* | 467 |
| plucked | **ħac'-a* | 702 |
| plucking | **t'ar-pʰ-a* | 231 |
| plucking, the act of | **pʰid-a* | 132 |
| | **ħac'-a* | 702 |
| plug | **ʒag-a* | 293 |
| plum | **birʸ-q'-a* | 52 |
| plunder | **sʸilʸ-a* | 284 |
| plunge | **musʸ-a* | 909 |
| | **musʸ-k'-a* | 909 |
| plunge, to | **ʕam-* | 749 |
| plunge in water, to | **musʸ-* | 909 |
| | **musʸ-V-k'-* | 909 |
| plunge into, to | **t'al-* | 222 |
| point (= tip) | **bar-a* | 27 |
| | **dud-a* | 171 |
| | **ʒuʒ-a* | 302 |
| | **garʸ-a* | 374 |
| | **q'ʷar-a* | 591 |
| point of time | **ʔam-a* | 630 |
| point out, to | **kʰal-* | 410 |
| | **war-* and/or **wir-* | 818 |
| pointed | **ʔadʸ-a* | 618 |
| pole | **ɢarʸ-a* | 562 |
| polish, to | **mel-* | 890 |
| | **mol-* | 899 |
| pool | **mor-a* | 900 |
| poplar tree | **t'ʸar-a* | 270 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *wir-a | 835 |
| portion | *bay-a | 40 |
| | *$p^h$ar-a | 99 |
| | *$p^h$as$^y$-a | 109 |
| | *šiħ-a | 347 |
| | *xal-a | 770 |
| | *wan-a | 808 |
| possessions | *ħap$^h$-a | 719 |
| post-positional intensifying and conjoining particle | *$k^{wh}$a- (~ *$k^{wh}$ə-) | 512 |
| pot (= container) | *gal-a | 359 |
| | *gub-a | 391 |
| | *k'ud-a (~ *k'od-a) | 496 |
| | *$k^{wh}$ar-a | 522 |
| pound, to | *dar- | 153 |
| | *$t^h$ap$^h$- | 193 |
| | *t'aħ- | 219 |
| | *t'ap$^h$- | 228 |
| | *t'uk'- | 244 |
| | *$t^{yh}$um- | 263 |
| | *t'$^y$ad- | 264 |
| | *$c^h$aħ- | 304 |
| | *gin- | 385 |
| | *k'an- | 472 |
| | *k'$^w$ad- | 532 |
| | *k'$^w$aħ- | 534 |
| | *ħur- | 743 |
| | *was$^y$- | 820 |
| pound (earth), to | *diq$^h$- | 167 |
| pounded | *k'$^w$aħ-a | 534 |
| pounding | *$c^h$aħ-a | 304 |
| pounding, the act of | *$c^h$aħ-a | 304 |
| | *gin-a | 385 |
| | *was$^y$-a | 820 |
| pour, to | *baʕ- | 1 |
| | *ban- | 22 |
| | *laħ- | 946 |
| pour out, to | *ʔib- | 666 |
| pour over, to | *bal- | 19 |
| | *ʔib- | 666 |
| pouring | *ʔor-a | 676 |
| | *laħ-a | 946 |
| poverty | *k'al-a | 463 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| power | *gal-a | 364 |
| | *ʔab-a | 615 |
| | *ħal$^{y}$-a | 711 |
| | *wak'-a | 796 |
| | *wal-a | 797 |
| | *woy-a | 838 |
| | *mag-a | 850 |
| | *mak'-a | 856 |
| powerful | *ʔad-a | 617 |
| | *ħal$^{y}$-a | 711 |
| | *mag-a | 850 |
| | *mak'-a | 856 |
| powerful, to be | *gal- | 364 |
| | *ʔad- | 617 |
| | *mak'- | 856 |
| pray, to | *p$^{h}$ir- | 135 |
| prayer | *p$^{h}$ir-a | 135 |
| precede, to | *p$^{h}$ar- | 101 |
| prepare, to | *ħar- | 721 |
| | *rak$^{h}$- | 965 |
| preparing, the act of | *rak$^{h}$-a | 965 |
| presence | *k'al-a | 466 |
| present (= gift) | *t'ox$^{w}$-a | 242 |
| | *ħin-k$^{h}$-a | 736 |
| present, to | *ħin-V-k$^{h}$- | 736 |
| presently | *nu | 933 |
| press, to | *t$^{h}$al$^{y}$- | 190 |
| | *ʒag- | 293 |
| | *č$^{h}$eč$^{h}$- | 337 |
| | *wal- | 803 |
| | *nad$^{y}$- | 919 |
| | *n$^{y}$am- | 939 |
| press between the fingers, to | *bit'$^{y}$- | 54 |
| press forward, to | *p$^{h}$ar- | 101 |
| press (in), to | *t͡ɬ'uk$^{h}$- | 612 |
| press in, to | *t$^{h}$ur- | 216 |
| | *k'$^{w}$aħ- | 534 |
| press together, to | *t$^{h}$ik'- | 207 |
| | *c'ur- | 314 |
| | *gid- or *ɢid- | 381 |
| | *k'um- | 501 |
| | *t͡ɬ'im- | 611 |
| | *hak'- | 689 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| press with the hand, to | *$k^h ap^h$- | 419 |
| pressed, that which is | *$č^h eč^h$-*a* | 337 |
| pressed close together | *gid-*a* or *ɢid-*a* | 381 |
| pressed down, to be | *ħag- | 703 |
| pressed tightly together | *t'an-*a* | 226 |
| pressed together | *$k'^w aħ$-*a* | 534 |
| | *t͡ɬ'im-*a* | 611 |
| pressing | *ʒag-*a* | 293 |
| | *$n^y am$-*a* | 939 |
| pressing, the act of | *$č^h eč^h$-*a* | 337 |
| pressure | *$bit'^y$-*a* | 54 |
| | *$t^h al^y$-*a* | 190 |
| | *$t^h ik'$-*a* | 207 |
| | *$t^h ur$-*a* | 216 |
| | *k'um-*a* | 501 |
| prick | *$c^h ag$-*a* | 303 |
| prick, to | *$bit͡ɬ^h$- | 55 |
| | *dal- | 148 |
| | *$c^h ag$- | 303 |
| | *$t͡ɬ^h ak^{wh}$- | 597 |
| | *xat'- | 775 |
| prickly | *$ʔad^y$-*a* | 618 |
| private parts (male or female) | *q'$al^y$-*a* | 578 |
| proceed, to | *buw- | 80 |
| | *ʔay- | 652 |
| | *ʕ$at^h$- | 757 |
| proclaim, to | *$bak^h$- | 16 |
| proclamation | *$bak^h$-*a* | 16 |
| | *k'ar-*a* | 479 |
| procure, to | *$k^{wh} ar$- | 523 |
| procurement | *$k^{wh} ar$-*a* | 523 |
| produce | *k'an-*a* | 469 |
| produce, to | *$č^h an$- | 336 |
| | *k'an- | 469 |
| produced | *k'an-*a* | 469 |
| produced, that which is | *$č^h an$-*a* | 336 |
| progenitor | *$man^y$-*a* | 874 |
| project, to | *$gar^y$- | 374 |
| prominence | *did-*a* | 162 |
| prominent, that which is most | *xaŋ-*a* | 773 |
| prong | *$t͡ɬ^h ak^{wh}$-*a* | 597 |
| pronominal base of uncertain deictic function | *gi- (~ *ge-) | 379 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| proper | *t'ak$^h$-a* | 220 |
| | *s$^y$uw-a* | 291 |
| proper, to be | *t'ak$^h$-* | 220 |
| | *s$^y$uw-* | 291 |
| | *c'al-* or *č'al-* | 308 |
| property | *ħap$^h$-a* | 719 |
| propriety | *t'ak$^h$-a* | 220 |
| | *s$^y$uw-a* | 291 |
| prosper, to | *riy-* | 972 |
| prosperity | *bul-γ-a* | 65 |
| | *buw-a* | 81 |
| | *c'al-a* or *č'al-a* | 308 |
| | *g$^w$an-a* | 509 |
| | *riy-a* | 972 |
| protect, to | *p$^h$in$^y$-* | 118 |
| | *t'aq'-* | 229 |
| | *man-* | 870 |
| protector | *man-a* | 870 |
| protection | *p$^h$in$^y$-a* | 118 |
| | *k$^h$ad-a* | 405 |
| | *k$^h$al-a* | 409 |
| | *man-a* | 870 |
| | *rak'-a* | 967 |
| protrude, to | *gar$^y$-* | 374 |
| | *mun-* | 902 |
| protuberance | *did-a* | 162 |
| | *t$^h$aw-a* | 202 |
| | *k'ar-a* | 482 |
| | *ʕag-a* | 745 |
| protuberance, rounded | *bun-a* | 70 |
| proximity | *ʔan$^y$-a* | 634 |
| puff | *bul-a* | 63 |
| | *bul-bul-a* (> *bum-bul-a*) | 66 |
| | *p$^h$uš-a* | 129 |
| | *p$^h$uw-a* | 138 |
| puff of air | *ʔup$^h$-a* | 685 |
| puff, to | *p$^h$uw-* | 138 |
| puff up, to | *bar-* | 26 |
| | *bul-* | 63 |
| | *bun-* | 70 |
| | *p$^h$uš-* | 129 |
| | *p$^h$uw-* | 138 |
| puffed up | *šiw-a* | 348 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| pull | *$t^h$ar-a | 194 |
| pull, to | *bir- | 51 |
| | *$p^h$id- | 132 |
| | *$t^h$ar- | 194 |
| pull apart, to | *p'ut'- | 142 |
| pull off, to | *bir- | 51 |
| | *$p^h$id- | 132 |
| | *k'al$^y$- | 467 |
| | *$x^w$al- | 777 |
| pull (out), to | *wal- | 798 |
| pull out, to | *$p^h$id- | 132 |
| | *k'al$^y$- | 467 |
| | *$x^w$al- | 777 |
| pulled along, something | *$t^h$ar-a | 194 |
| pulled-off piece or part | *p'ut'-a | 142 |
| pulling | *wal-a | 798 |
| pulling, the act of | *$p^h$id-a | 132 |
| pulling off, the act of | *bir-a | 51 |
| | *$x^w$al-a | 777 |
| pulling out, the act of | *$x^w$al-a | 777 |
| pulverized, anything | *t'aħ-a | 219 |
| pungency | *$k^h$ar-a | 428 |
| pungent | *ʒem-a | 334 |
| | *$k^h$ar-a | 428 |
| pungent, anything that is | *ʒem-a | 334 |
| pungent smell | *d$^y$ip$^h$-a | 255 |
| punishment | *sad$^y$-a | 316 |
| puppy | *$k^h$uwan-a or *$k^h$un-a | 454 |
| pure | *hal-a | 690 |
| purify, to | *ʔal- | 627 |
| purity | *hal-a | 690 |
| pursue, to | *mar- | 880 |
| purulent, to be | *k'$^w$iy- | 550 |
| pus | *k'$^w$iy-a | 550 |
| push | *$t^h$al$^y$-a | 190 |
| | *ʒag-a | 292 |
| | *t͡ɬ'uk$^h$-a | 612 |
| push, to | *$t^h$ak'- | 187 |
| | *$t^h$al$^y$- | 190 |
| | *ʒag- | 292 |
| | *t͡ɬ'uk$^h$- | 612 |
| push in, to | *$t^h$ur- | 216 |
| | *k'$^w$aħ- | 534 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| pushed together | *k'$^{w}$aħ-a | 534 |
| pustule | *bug-a | 60 |
| put | *ʔas$^{y}$-a | 646 |
| put, to | *dag- | 146 |
| | *daw- | 157 |
| | *day- | 159 |
| | *k$^{h}$ay- | 438 |
| | *ʔas$^{y}$- | 646 |
| put down, to | *lag- | 944 |
| put in order, to | *woy-V-k$^{h}$- | 839 |
| put in place, to | *dag- | 146 |
| put in place, to be | *dag- | 146 |
| put into motion, to | *q$^{h}$ad- | 570 |
| put out (fire), to | *k'$^{w}$as- | 545 |
| put (together), to | *rak$^{h}$- | 965 |
| put together, to | *k'ač$^{h}$- | 457 |
| | *ɢam- | 558 |
| | *ħar- | 721 |
| putting down, the act of | *lag-a | 944 |
| putting (together), the act of | *rak$^{h}$-a | 965 |
| putrid | *q'ar$^{y}$-a | 581 |
| putrid, to be | *k'$^{w}$iy- | 550 |
| putrid thing | *q'ar$^{y}$-a | 581 |
| puzzled, to be | *diɢ- | 164 |
| quaking | *rag-a | 963 |
| quarrel | *bur-a | 73 |
| | *ɢal-a | 557 |
| | *q$^{h}$at$^{h}$-a | 574 |
| | *mar-a | 877 |
| quarrel, to | *bur- | 73 |
| | *mar- | 877 |
| quick | *ʔor-a | 676 |
| quiet | *t'um-a | 246 |
| | *k'$^{w}$ar-a | 541 |
| | *ʔan$^{y}$-a | 633 |
| | *rom-a | 973 |
| quiet, to | *t'um- | 246 |
| quiet, to be | *ʔan$^{y}$- | 633 |
| quiet, to become | *ħam- | 714 |
| quietness | *t'um-a | 246 |
| quietude | *k'$^{w}$ar-a | 541 |
| | *rom-a | 973 |
| quiver, to | *p$^{h}$at$^{h}$- | 111 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| radiance | **hal-a* | 690 |
| | **wil$^{y}$-a* | 833 |
| radiant | **bah-a* | 13 |
| | **hal-a* | 690 |
| radiate, to | **ʔel-* | 660 |
| | **hal-* | 690 |
| rag | **k$^{h}$at$^{h}$-a* | 433 |
| rage | **bur-a* | 75 |
| | **ʔek$^{h}$-a* | 658 |
| rage, to | **bur-* | 75 |
| | **ʔek$^{h}$-* | 658 |
| raging, to be | **ʔek$^{h}$-* | 658 |
| rain | **duw-a* | 183 |
| | **ʒar-a* or **ǯar-a* | 296 |
| | **k'$^{w}$ar$^{y}$-a* | 544 |
| | **mat'-a* | 888 |
| | **rek'-a* | 971 |
| rain, to | **sig-* | 327 |
| | **ħaw-* | 730 |
| raindrop | **ʒil-a* or **ǯil-a* | 298 |
| raindrops | **duw-a* | 183 |
| rain, heavy | **nab-a* | 918 |
| raining | **sig-a* | 327 |
| rainy weather | **k'ar-a* | 480 |
| raise, to | **t$^{h}$ul-* | 213 |
| | **k'ul-* | 498 |
| | **ʕam-* | 750 |
| | **ʕam-V-d-* | 750 |
| | **ʕar-V-g-* | 756 |
| | **xaŋ-* | 773 |
| | **war-* | 816 |
| | **nit͡ɬ$^{h}$-* | 932 |
| raise one's hand, to | **ɢer-* | 566 |
| raise up, to | **sal-* | 321 |
| raised | **did-a* | 162 |
| | **dim-a* | 166 |
| | **sal-a* | 321 |
| | **k$^{h}$il$^{y}$-a* | 442 |
| raised place | **dim-a* | 166 |
| raising, the act of | **nit͡ɬ$^{h}$-a* | 932 |
| raising one's hand, the act of | **ɢer-a* | 566 |
| rake | **t$^{h}$ar-a* | 199 |
| | **gar-a* | 371 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| raking | *$t^h$ar-a | 199 |
| ram (= male sheep) | *daq$^h$-a | 151 |
| | *dur-a | 182 |
| | *k$^h$ab-a | 403 |
| | *ʔar-a | 644 |
| rapid | *ʔor-a | 676 |
| rapid motion, any | *ʔor-a | 676 |
| | *raq'-a | 968 |
| rapid movement | *k$^{wh}$at$^h$-a | 524 |
| | *ʔek$^h$-a | 658 |
| rasping sound, to make | *q$^h$ar$^y$- | 573 |
| ravine | *ɢal-a | 556 |
| reach, to | *d$^y$iʔ- | 254 |
| | *t$^{yh}$ar- | 259 |
| | *sag- or *šag- | 317 |
| | *ħin-V-k$^h$- | 736 |
| ready, to make | *ħar- | 721 |
| rear | *ʕar-a | 755 |
| reckon, to | *man- | 868 |
| reckoning | *man-a | 868 |
| recognition | *k'an$^y$-a | 475 |
| | *ʕey-a | 760 |
| recognize, to | *ʕey- | 760 |
| recognized | *ʕey-a | 760 |
| recollection | *gun-a | 394 |
| recompense | *k$^h$ap'-a | 421 |
| | *muy-a | 910 |
| recount, to | *t'il- | 239 |
| | *man- | 868 |
| rectitude | *woy-k$^h$-a | 839 |
| red-hot, to be | *k'$^w$am- | 537 |
| reduce, to | *t$^h$aħ- | 185 |
| | *k'al- | 463 |
| | *k$^{wh}$ar- | 521 |
| | *ʔek'- | 659 |
| reduced, to be or become | *k'al- | 463 |
| reduction | *ʔek'-a | 659 |
| reed | *č'am-a | 339 |
| | *k$^h$al$^y$-a | 411 |
| refuse (= rubbish) | *gud-a | 392 |
| | *q$^h$oc$^h$-a | 575 |
| regard, to | *gal- | 360 |
| regard attentively, to | *rak'- | 967 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| related | *ʔar-a | 643 |
| relative (= kinsman) | *ʔar-a | 643 |
| relative (male or female), older | *ʔat'$^{y}$a | 648 |
| relative (male or female), younger | *ʔina or *ʔiŋa | 671 |
| relative, (elder) male | *t'ay-a | 234 |
| relative, female | *ʔay(y)a | 654 |
| | *nat'-a | 926 |
| relative, male | *ʔay(y)a | 655 |
| relative on the mother's side | *ħaw-a | 729 |
| relative pronoun stem | *k$^{wh}$i- (~ *k$^{wh}$e-) | 528 |
| | *ʔay-, *ʔya- | 651 |
| | *ma- (~ *mə-) | 891 |
| relax, to | *q'$^{w}$ad- | 587 |
| | *rom- | 973 |
| relaxation | *rom-a | 973 |
| relaxed | *rom-a | 973 |
| release, to | *č$^{h}$al- | 335 |
| released | *č$^{h}$al-a | 335 |
| remain, to | *k'$^{w}$ar- | 541 |
| | *ħam- | 714 |
| | *wan- | 807 |
| | *man- | 869 |
| remembrance | *gun-a | 394 |
| remote | *t'aw-a | 232 |
| remoteness | *t'aw-a | 232 |
| removal | *s$^{y}$il$^{y}$-a | 284 |
| | *k'al$^{y}$-a | 467 |
| remove, to | *t$^{h}$ek$^{h}$- | 203 |
| | *k'al- | 463 |
| | *k'al$^{y}$- | 467 |
| | *q$^{h}$oc$^{h}$- | 575 |
| remove by peeling, to | *q$^{h}$oc$^{h}$- | 575 |
| remove by pulling off, to | *q$^{h}$oc$^{h}$- | 575 |
| remove by rubbing, to | *q$^{h}$oc$^{h}$- | 575 |
| remove by sweeping, to | *q$^{h}$oc$^{h}$- | 575 |
| remove by tearing off, to | *q$^{h}$oc$^{h}$- | 575 |
| remove by wiping, to | *q$^{h}$oc$^{h}$- | 575 |
| removed, that which has been | *q$^{h}$oc$^{h}$-a | 575 |
| removing, the act of | *t$^{h}$ek$^{h}$-a | 203 |
| | *q$^{h}$oc$^{h}$-a | 575 |
| rend, to | *t'ar- | 230 |
| | *t'ar-V-p$^{h}$- | 231 |
| rending | *t'ar-p$^{h}$-a | 231 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| renown | *$k^h$ul-a | 448 |
| repay in kind, to | *$k^{wh}$ey- | 526 |
| repayment | *$k^{wh}$ey-a | 526 |
| | *muy-a | 910 |
| report | *war-a and/or *wir-a | 818 |
| | *wat$^h$-a | 823 |
| repose | *k'$^w$ar-a | 541 |
| request | *$p^h$ir-a | 135 |
| | *t'el-a | 237 |
| request, to | *$p^h$ir- | 135 |
| | *t'el- | 237 |
| requital | *muy-a | 910 |
| resemble, to | *sam- | 322 |
| reservoir | *mor-a | 900 |
| residence | *buw-a | 80 |
| resound, to | *daw- | 156 |
| respire, to | *ʕan- | 752 |
| rest (= relaxation) | *šaw-a | 346 |
| | *k'$^w$ar-a | 541 |
| | *ʔan$^y$-a | 633 |
| | *rom-a | 973 |
| rest, at | *k'$^w$ar-a | 541 |
| rest, to | *šaw- | 346 |
| | *k'$^w$ar- | 541 |
| | *q'$^w$ad- | 587 |
| | *ħam- | 714 |
| | *rom- | 973 |
| rest, to be at | *ʔan$^y$- | 633 |
| restful | *ʔan$^y$-a | 633 |
| resting place | *$k^h$ay-a | 438 |
| | *k'$^w$ar-a | 541 |
| | *ħam-a | 714 |
| restraint | *$k^h$al-a | 409 |
| return | *muy-a | 910 |
| return an equal measure, to | *$k^{wh}$ay- | 526 |
| return, to | *muy- | 910 |
| returned, that which is | *muy-a | 910 |
| reveal, to | *c'ar- or *č'ar- | 310 |
| revolve, to | *c'ur- | 314 |
| | *$k^{wh}$al- | 514 |
| | *wal$^y$- | 804 |
| revolves, that which | *$k^{wh}$al-a | 515 |
| rid of, to get | *$č^h$al- | 335 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| ridicule | *ʒak'-a | 295 |
| rift | *tʸʰal-m-a | 258 |
| right (= correct) | *woy-kʰ-a | 839 |
| rigid | *t'ʸar-a | 269 |
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| rigid, to be or become | *garʸ- | 374 |
| rind | *kʰar-a | 423 |
| ring (= circle) | *kʰar-a | 424 |
| rinse, to | *ħal- | 709 |
| rip | *t'ar-a | 230 |
| | *t'ʸar-a | 271 |
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| | *k'ul- | 498 |
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| | *nit͡ɬʰ- | 932 |
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| | *ħapʰ-a | 720 |
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| | *k'um-a | 500 |
| | *ɢar-a | 559 |
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| | *ratʰ- | 969 |
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| rotate, to | *k'aw- | 484 |
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| | *t͡ɬ'il-a | 610 |
| | *$wal^y$-a | 804 |
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| | *$g^w$ar-a | 510 |
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| | *mal- | 863 |
| | *mel- | 890 |
| | *mol- | 899 |
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| | *mol- | 899 |
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| | *mol- | 899 |
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| | *k'$^{w}$ed- | 549 |
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| | *k'$^{w}$ar$^{y}$- | 544 |
| rumbling noise or sound | *gur-a | 396 |
| rumination | *k'ep'-a | 488 |
| rump | *k'uŋ-a | 505 |
| run, to | *dun- | 179 |
| | *d$^{y}$aw- | 252 |
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| | *mar- | 880 |
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| run away, to | *her- and/or *hor- | 701 |
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| | *t'il- | 239 |
| | *kʰil- | 441 |
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| | *yan- | 787 |
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| saying | *yan-a | 787 |
| scab | *pʰakʰ-a | 85 |
| | *gar-b-a | 372 |
| scanty | *k'al-a | 463 |
| scar | *gal-a | 363 |
| | *waħ-a | 795 |
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| scattered | *pʰar-a | 100 |
| | *duw-a | 183 |
| | *tʰar-a | 195 |
| scattered about | *siħ-a | 328 |
| scattered about, anything | *duw-a | 183 |
| scattered about, to be | *duw- | 183 |
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| | *gar- | 371 |
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|---|---|---|
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| scratch | *č'ir-a | 341 |
| | *t͡ɬ$^h$ar-t'-a | 601 |
| scratch, to | *$t^h$ar- | 199 |
| | *č'ir- | 341 |
| | *gar- | 371 |
| | *ħar- | 724 |
| | *ħok'- | 739 |
| | *$x^w$at'- | 778 |
| | *wur$^y$- | 842 |
| scratches, that which | *gar-a | 371 |
| scratching | *$t^h$ar-a | 199 |
| | *ħar-a | 724 |
| | *ħok'-a | 739 |
| scratching, the act of | *$x^w$at'-a | 778 |
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| screeching | *$k^h$at$^h$-a | 435 |
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| | *mor-a | 900 |
| seat | *ʔas$^y$-a | 646 |
| seated | *ħam-a | 714 |
| seated, to be | *ʔas$^y$- | 646 |
| seclusion | *xol-a | 776 |
| second | *mal-a | 864 |
| section | *šiħ-a | 347 |
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| | *ʔil- | 669 |
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| seedling | *$n^y$aʕ-r-a | 937 |
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| seeing | *raʔ-a | 962 |
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| seen | *ʕey-a | 760 |
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|---|---|---|
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| | *k'um- | 501 |
| | *ʔam- | 629 |
| | *ʕap'- | 754 |
| | *$wot^h$- | 837 |
| seize hold of, to | *bar- | 31 |
| seize with the hand, to | *$k^hap^h$- | 419 |
| seize with the teeth, to | *k'ab- | 455 |
| seized | *ʔam-a | 629 |
| seizing | *ʒum-a or *ǯum-a | 301 |
| seizing, the act of | *$t^hek^h$-a | 203 |
| | *ʒum-a or *ǯum-a | 301 |
| | *$wot^h$-a | 837 |
| seizure | *bar-a | 31 |
| | *k'ab-a | 455 |
| | *ʕap'-a | 754 |
| self | *bey-a | 45 |
| semen | *$p^has^y$-a | 110 |
| send off, to | *ʔan- | 632 |
| sensation, burning | *$p^hal^y$-a | 95 |
| sense | *san-a or *šan-a, | |
| | *sin-a or *šin-a, | |
| | *sun-a or *šun-a | 323 |
| sense, to | *san- or *šan-, | |
| | *sin- or *šin-, | |
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| sensed, that which is | *san-a or *šan-a, | |
| | *sin-a or *šin-a, | |
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| senses, that which | *san-a or *šan-a, | |
| | *sin-a or *šin-a, | |
| | *sun-a or *šun-a | 323 |
| separate (= different) | *ʔaŋ-a | 637 |
| separate, to | *bad- | 5 |
| | *ban- | 23 |
| | *$p^h$ar- | 99 |
| | *gal- | 357 |
| | *$k^h$as- | 431 |
| | *$k'al^y$- | 467 |

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| | *ʔar- | 641 |
| | *γor- | 784 |
| | *γor-V-b- | 784 |
| | *law- | 957 |
| separate into (equal) parts, to | *šiħ- | 347 |
| separate into two parts, to | *t'uʔ$^{w}$- | 243 |
| separated | *gar-a | 370 |
| | *ʔar-a | 641 |
| separated from, to be | *xol- | 776 |
| separation | *ban-a | 23 |
| | *šiħ-a | 347 |
| | *gal-a | 357 |
| | *k$^{h}$as-a | 431 |
| | *k'al$^{y}$-a | 467 |
| | *ʔaŋ-a | 637 |
| | *γor-a | 784 |
| | *γor-b-a | 784 |
| | *law-a | 957 |
| separation into two | *t'uʔ$^{w}$-a | 243 |
| separatness | *k$^{h}$ay-a | 437 |
| | *k$^{h}$ay-w-a | 437 |
| set (= put; placed) | *ʔas$^{y}$-a | 646 |
| set, to | *daw- | 157 |
| | *k$^{h}$ay- | 438 |
| | *ʔas$^{y}$- | 646 |
| set apart, to be | *xol- | 776 |
| set down, to | *k$^{h}$at$^{h}$- | 434 |
| | *lag- | 944 |
| set fire to, to | *wal- | 802 |
| set fire to something, to | *bud- | 57 |
| set free, to | *č$^{h}$al- | 335 |
| set in motion, to | *ʔor- | 676 |
| set of two | *yor-a | 790 |
| set up, to | *daw- | 157 |
| setting down, the act of | *lag-a | 944 |
| settle down, to | *ħam- | 714 |
| settled | *ħam-a | 714 |
| settled place | *p$^{h}$al-a | 92 |
| settlement | *p$^{h}$al-a | 92 |
| sever, to | *dum- | 175 |
| | *t'ar- | 230 |
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|---|---|---|
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| | *law- | 957 |
| severance | *dum-a | 175 |
| severed | *ʔar-a | 641 |
| sewing | *ʕor$^{y}$-a | 763 |
| sexual intercourse, to have | *man$^{y}$- | 873 |
| sexual organs (male or female) | *q'al$^{y}$-a | 578 |
| shade | *t'$^{y}$al-a and/or *t'$^{y}$il-a | 266 |
| shadow | *t'$^{y}$al-a and/or *t'$^{y}$il-a | 266 |
| shaggy | *bar-a | 29 |
| shaggy, to be | *bar- | 29 |
| shagginess | *bar-a | 29 |
| shake, to | *p$^{h}$el- | 116 |
| | *p$^{h}$ir- | 122 |
| | *t$^{h}$ar- | 201 |
| | *gud- | 392 |
| | *k'al- | 465 |
| | *k$^{wh}$at$^{h}$- | 524 |
| | *ħat'- | 728 |
| | *ħut'- | 744 |
| | *naħ- | 922 |
| | *n$^{y}$uk$^{h}$- | 941 |
| | *rag- | 963 |
| shaken, to be | *ħat'- | 728 |
| shaking | *dul$^{y}$-a | 174 |
| | *k$^{wh}$at$^{h}$-a | 524 |
| | *ħat'-a | 728 |
| | *ħut'-a | 744 |
| | *n$^{y}$uk$^{h}$-a | 941 |
| | *rag-a | 963 |
| | *raq'-a | 968 |
| shaking (from fear, fright) | *t$^{h}$ar-a | 201 |
| shape | *sam-a | 322 |
| share | *bay-a | 40 |
| | *p$^{h}$ar-a | 99 |
| | *p$^{h}$as$^{y}$-a | 109 |
| | *dun$^{y}$-a | 180 |
| | *xal-a | 770 |
| | *wan-a | 808 |
| share, to | *bay- | 40 |
| sharp (= pointed; cutting) | *k'$^{w}$at'-a | 548 |
| | *ʔad$^{y}$-a | 618 |
| sharp (= pungent) | *ʒem-a | 334 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
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| | *ɢat'$^y$-a | 564 |
| | *ħam-a | 713 |
| sharp (= pungent), anything that is | *ʒem-a | 334 |
| sharp (= pungent), to be | *ħam- | 713 |
| sharp (of sounds) | *$k^h$at$^h$-a | 435 |
| sharp instrument | *$t^yh$al-a | 257 |
| sharp instrument used for cutting, any | *sak$^h$-a | 319 |
| sharp point | *ħok$^h$-a | 738 |
| sharp-tasting foodstuff, any | *ħam-a | 713 |
| sharpen, to | *ʒag- | 294 |
| shatter, to | *$p^h$as$^y$- | 109 |
| she | *si- (~ *se-) | 326 |
| sheep | *bag-a | 11 |
| | *dur-a | 182 |
| sheep, (young) | *t͡ɬ$^h$aħ-a | 596 |
| sheep and goats | *ʕuw-a (~ *ʕow-a) | 768 |
| shell | *k'$^w$oy-a | 552 |
| shield | *$k^h$ad-a | 405 |
| shine (= luster; sparkle) | *ɢil-a | 567 |
| shine, to | *bah- | 13 |
| | *bal- | 21 |
| | *bar- | 33 |
| | *daɢ- | 147 |
| | *dil$^y$- | 165 |
| | *t'ay- or *t'iy- | 235 |
| | *ɢil- | 567 |
| | *q'al- or *q'el- | 577 |
| | *ʔel- | 660 |
| | *hal- | 690 |
| | *wal$^y$- | 805 |
| | *lah- | 945 |
| | *law- | 956 |
| shine brightly, to | *hag- | 687 |
| shining | *bah-a | 13 |
| | *ɢil-a | 567 |
| | *hal-a | 690 |
| | *wal$^y$-a | 805 |
| | *lah-a | 945 |
| | *law-a | 956 |
| shiver, to | *ħut'- | 744 |
| shivering | *ħut'-a | 744 |
| shoot (= sprout) | *$n^y$aʕ-r-a | 937 |

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|---|---|---|
| shoot, to | *ʕam- | 751 |
| short | *k'ut'-a | 506 |
| | *$k^{wh}$ar-a | 521 |
| short of | *k'al-a | 463 |
| shortened | *gar-a | 370 |
| shortness | *k'ut'-a | 506 |
| | *$k^{wh}$ar-a | 521 |
| shout | *q'$^{w}$ar-a or *q'$^{w}$ur-a | 592 |
| | *waʕ-a | 793 |
| shout, to | *gal- | 361 |
| | *$k^{h}$al- | 408 |
| | *k'ar- | 479 |
| | *q'$^{w}$al- | 588 |
| | *waʕ- | 793 |
| | *wal- | 799 |
| shove | *ʒag-a | 292 |
| | *t͡ɬ'uk$^{h}$-a | 612 |
| shove, to | *ʒag- | 292 |
| | *t͡ɬ'uk$^{h}$- | 612 |
| shove into, to | *ʒer- or *ǯer- | 297 |
| shower | *duw-a | 183 |
| shrill (of sounds) | *$k^{h}$at$^{h}$-a | 435 |
| shrill screech, to make a | *$k^{h}$at$^{h}$- | 435 |
| shrill sound, to make a | *$k^{h}$at$^{h}$- | 435 |
| | *$x^{w}$ir- | 781 |
| shrub | *ǯag$^{w}$-a | 330 |
| shut, to | *$c^{h}$uk$^{h}$- | 307 |
| | *k'ap$^{h}$- | 478 |
| sick, to be | *nus$^{y}$- | 936 |
| sick, to be or become | *mar$^{y}$- | 885 |
| sick, to become deathly | *daw- | 158 |
| sickness | *daw-a | 158 |
| | *mar$^{y}$-a | 885 |
| | *nus$^{y}$-a | 936 |
| side | *ʒag-a | 294 |
| | *gaŋ-a | 368 |
| | *$k^{h}$ar-a | 425 |
| | *ʔar-a | 641 |
| sieve | *saʔ-y-a | 315 |
| sift, to | *saʔ-V-y- | 315 |
| sigh | *šaw-a | 345 |
| | *k'um-a | 500 |
| | *k'$^{w}$as-a | 546 |

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|---|---|---|
| sigh, to | *$p^h$uš- | 129 |
| | *šaw- | 345 |
| | *k'um- | 500 |
| | *k'$^w$as- | 546 |
| sight | *ʕen-a | 758 |
| | *ʕey-a | 760 |
| | *raʔ-a | 962 |
| | *raʔ-y-a | 962 |
| silence | *dum-a | 176 |
| silent | *rom-a | 973 |
| silent, to be | *dum- | 176 |
| silliness | *ʔeb-a | 657 |
| silly | *ʔeb-a | 657 |
| similar | *sam-a | 322 |
| simple, to be | *ʔek'- | 659 |
| sinew | *s$^y$ir-a | 285 |
| | *s[e]n-a or *š[e]n-a | 324 |
| sing, to | *bir- | 50 |
| singing | *bir-a | 50 |
| single | *ʔoy-a | 681 |
| sink, to | *ʕam- | 749 |
| sink down, to | *lam- | 952 |
| | *lam-V-d- | 952 |
| sink into, to | *t'al- | 222 |
| sister | *da | 144 |
| | *da-da- | 144 |
| sister, elder | *ʔen$^y$a | 662 |
| sister-in-law | *k'el-a | 486 |
| | *nus$^y$-a | 935 |
| sit, to | *ʔas$^y$- | 646 |
| skill | *t'am-a | 225 |
| skin | *$p^h$ač'-a | 83 |
| | *$p^h$al-a | 131 |
| | *$k^h$ar-a | 423 |
| | *k'$^w$oy-a | 552 |
| | *lat$^h$-a | 954 |
| skin, (animal) | *nak$^h$-a | 923 |
| skull | *$k^h$ap$^h$-a | 420 |
| | *$k^h$ir-a | 443 |
| | *ɢ$^w$al-a | 586 |
| slack | *dow-a, *doy-a | 169 |
| slacken, to | *dow-, *doy- | 169 |
| slackness | *dow-a, *doy-a | 169 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| slap | *t$^{h}$ap$^{h}$-a | 193 |
| slash | *q$^{h}$al-a | 571 |
| | *t̯ɬ$^{h}$ar-a | 600 |
| | *waŋ-a | 811 |
| slaughter | *d$^{y}$ab-a | 248 |
| | *q$^{h}$at$^{h}$-a | 574 |
| | *ħal-a | 708 |
| | *wel-a | 828 |
| | *laħ-a | 947 |
| slaughter, to | *ħal- | 708 |
| slay, to | *g$^{w}$an- | 508 |
| | *q'$^{w}$al- | 589 |
| | *wel- | 828 |
| sleep | *bad-a | 9 |
| | *šaw-a | 346 |
| sleep, to | *šaw- | 346 |
| sleep, to go to | *nak$^{wh}$- | 924 |
| slice | *t'ar-a | 230 |
| | *č'ir-a | 341 |
| | *t̯ɬ$^{h}$ar-a | 600 |
| | *xat'-a | 775 |
| slide, to | *ʒil- or *ǯil- | 299 |
| | *gil- | 382 |
| slide down, to | *c'ar- | 309 |
| sliding | *gil-a | 382 |
| sliding, the act of | *ʒil-a or *ǯil-a | 299 |
| sliding down, the act of | *c'ar-a | 309 |
| sling | *q'$^{w}$al-a | 590 |
| slip, to | *gil- | 382 |
| slip down, to | *c'ar- | 309 |
| slippery | *ʒil-a or *ǯil-a | 299 |
| | *gil-a | 382 |
| slipping, the act of | *ʒil-a or *ǯil-a | 299 |
| slipping down, the act of | *c'ar-a | 309 |
| slit | *bit̯ɬ$^{h}$-a | 55 |
| | *k'ir-a or *k'ur-a | 491 |
| | *t̯ɬ$^{h}$al-a | 598 |
| | *t̯ɬ$^{h}$ar-a | 600 |
| slow | *dow-a, *doy-a | 169 |
| slow, to be | *hak$^{h}$- | 688 |
| slow down, to | *dow-, *doy- | 169 |
| slowly | *hak$^{h}$- | 688 |
| slowly, to do or approach something | *hak$^{h}$- | 688 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| slownesss | *dow-a, *doy-a | 169 |
| | *hak$^h$-a | 688 |
| sluggish, to be | *hak$^h$- | 688 |
| sluggishness | *hak$^h$-a | 688 |
| slumber | *šaw-a | 346 |
| small | *č'ik'-a | 340 |
| | *gin-a or *ɢin-a | 384 |
| | *k'ut'-a | 506 |
| | *nus$^y$-a | 934 |
| small, to be | *č'ik'- | 340 |
| | *gin- or *ɢin- | 384 |
| | *ʔek'- | 659 |
| | *nus$^y$- | 934 |
| small piece | *t'$^y$ak$^h$-a | 265 |
| small pieces, to cut into | *t'$^y$ak$^h$- | 265 |
| small quantity | *k'al-a | 463 |
| small things | *č'ik'-a | 340 |
| smallness | *k'ut'-a | 506 |
| | *nus$^y$-a | 934 |
| smart, to | *p$^h$al$^y$- | 95 |
| smash, to | *k'$^w$ad- | 532 |
| smear (with greast, oil, fat, ointment), to | *mar- | 881 |
| smell | *ʕut'-a | 767 |
| smell, pungent | *d$^y$ip$^h$-a | 255 |
| smell, to | *ʕut'- | 767 |
| smoke | *p'ul$^y$-a | 141 |
| | *duw-a | 183 |
| | *t'uq'$^w$-a | 247 |
| | *k'$^w$am-a | 537 |
| | *k'$^w$at'-a | 547 |
| smoke, to | *k'$^w$am- | 537 |
| | *k'$^w$at'- | 547 |
| smoke, to give off | *p'ul$^y$- | 141 |
| smoky, to be | *t'uq'$^w$- | 247 |
| smolder, to | *k$^h$um- | 452 |
| | *k'$^w$am- | 537 |
| | *k'$^w$at'- | 547 |
| smoldering | *k$^h$um-a | 452 |
| smooth | *ʒil-a or *ǯil-a | 299 |
| | *gil-a | 382 |
| | *mel-a | 890 |
| smoothness | *mel-a | 890 |
| snake | *g$^w$al-a | 507 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| snatch, to | *$s^y$il$^y$- | 284 |
| snort | *$p^h$uš-a | 129 |
| snow | *$t^h$ow-a | 211 |
| snow, to | *$t^h$ow- | 211 |
| snow-storm | *$t^h$ow-a | 211 |
| so-and-so, to be not | *ʔal- | |
| | (perhaps also *ʔel-, *ʔul-) | 628 |
| soak, to | *šuw- | 349 |
| | *šuw-V-l- | 349 |
| soaked | *šuw-a | 349 |
| | *šuw-l-a | 349 |
| soft | *mel-a | 890 |
| | *nus$^y$-a | 934 |
| soft, to be | *nus$^y$- | 934 |
| soften, to | *mel- | 890 |
| | *mol- | 899 |
| softened | *ɢar-a | 560 |
| softness | *mel-a | 890 |
| soil (= earth) | *$t^h$or$^y$-a | 210 |
| | *ʔul-a | 682 |
| soil, to | *mar- | 882 |
| soiled (= dirty) | *k'ar-a | 480 |
| | *mar-a | 882 |
| sole of the foot | *ʔul-a | 682 |
| solid | *$t^h$ik'-a | 207 |
| | *t'$^y$ar-a | 268 |
| | *k'$^w$ur$^y$-a | 553 |
| solid, to be | *k'$^w$ur$^y$- | 553 |
| solidity | *$t^h$ik'-a | 207 |
| | *t'$^y$ar-a | 268 |
| | *k'$^w$ur$^y$-a | 553 |
| solitude | *$k^h$ay-a | 437 |
| | *$k^h$ay-w-a | 437 |
| | *ʔoy-a | 681 |
| | *xol-a | 776 |
| somebody [indefinite pronoun stem] | *ma- (~ *mə-), | |
| | *mi- (~ *me-), | |
| | *mu- (~ *mo-) | 844 |
| someone [indefinite pronoun stem] | *ma- (~ *mə-), | |
| | *mi- (~ *me-), | |
| | *mu- (~ *mo-) | 844 |
| son | *$s^y$aw-a or *$s^y$ew-a | 279 |
| soot | *$t^h$u$k^h$-a | 212 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *t'uq'$^{w}$-a | 247 |
| sooty, to be | *t'uq'$^{w}$- | 247 |
| sore | *gar-b-a | 372 |
| sore on the skin | *gal-a | 363 |
| soul | *bey-a | 45 |
| sound (= noise) | *baħ-a | 14 |
| | *bar-a | 36 |
| | *bug-r-a | 61 |
| | *daw-a | 156 |
| | *t'eʔ-a | 236 |
| | *k$^{h}$al-a | 408 |
| | *k$^{h}$il-a | 441 |
| | *q'$^{w}$al-a | 588 |
| | *wal-a | 799 |
| | *wat$^{h}$-a | 823 |
| | *mur-a | 908 |
| | *mur-mur-a | 908 |
| sound, (crackling) | *k'ak'- | 459 |
| sound, (ringing or tinkling) | *k$^{h}$aŋ-a | 418 |
| sound (= healthy) | *s$^{y}$ol-a | 287 |
| sound (= healthy), to be | *s$^{y}$ol- | 287 |
| sound, to | *daw- | 156 |
| | *k$^{h}$al- | 408 |
| | *k$^{h}$aŋ- | 418 |
| sound, to make a | *bar- | 36 |
| | *bug-V-r- | 61 |
| | *k$^{h}$il- | 441 |
| | *mur- | 908 |
| | *mur-mur- | 908 |
| sound, to make a loud | *ɢad- | 554 |
| | *ɢad-ɢad- | 554 |
| sound judgment | *ħak$^{h}$-a | 705 |
| sour | *ʒem-a | 334 |
| | *ħam-a | 713 |
| sour, anything that is | *ʒem-a | 334 |
| sour, that which is | *t'$^{y}$am-a | 267 |
| sour, to be | *ħam- | 713 |
| sour, to turn | *t'$^{y}$am- | 267 |
| sour foodstuff, any | *ħam-a | 713 |
| space | *p$^{h}$ar-a | 100 |
| | *raw-ħ-a | 970 |
| spacious | *p$^{h}$at$^{h}$-a | 112 |
| | *raw-ħ-a | 970 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| spacious, to be | *$p^hat^h$- | 112 |
| | *raw-V-ħ- | 970 |
| spade | *gar-a | 371 |
| | *ɢar-a | 561 |
| sparse | *k'al-a | 463 |
| spark | *$p^haħ$-a | 130 |
| | *$p^haħ$-w-a | 130 |
| | *$k'^was$-a | 545 |
| sparkle, to | *bar- | 33 |
| | *q'al- or *q'el- | 577 |
| speak, to | *t'eʔ- | 236 |
| | *$k^hil$- | 441 |
| | *$q'^wat^{vh}$- | 594 |
| | *$x^wat'$- | 779 |
| | *yan- | 787 |
| | *war- and/or *wir- | 818 |
| | *$wat^h$- | 823 |
| | *man- | 868 |
| spear | *$t^har$-a | 196 |
| | *ʒer-a or *ǯer-a | 297 |
| spear(head) | *waħ-a | 795 |
| speech | *t'eʔ-a | 236 |
| | *t'il-a | 239 |
| | *$k^hil$-a | 441 |
| | *war-a and/or *wir-a | 818 |
| speedy | *$t'^yor$-a | 276 |
| spend time, to | *buw- | 80 |
| sperm | *$p^has^y$-a | 110 |
| sphere | *$ɢ^wal$-a | 585 |
| spike (= barb) | *bar-a | 27 |
| | *$tɬ^hak^{wh}$-a | 597 |
| spill | *dun-a | 179 |
| | *ʔib-a | 666 |
| spill out, to | *ʒar- or *ǯar- | 296 |
| spill over, to | *ʔib- | 666 |
| spin around, to | *$k^har$- | 424 |
| spirit | *bey-a | 45 |
| spirited, to be | *$ʔek^h$- | 658 |
| spit, to | *$t^hup^h$- | 215 |
| spit out, to | *wam- | 806 |
| spit up, to | *wam- | 806 |
| spite | *$q^hat^h$-a | 574 |
| spittle | *$t^hup^h$-a | 215 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *wam-a | 806 |
| spleen | *$p^h$al-a | 86 |
| splendor | *bah-a | 13 |
| | *ʔel-a | 660 |
| | *wil$^y$-a | 833 |
| | *mag-a | 850 |
| split | *bad-a | 5 |
| | *bak'-a | 17 |
| | *$p^h$ač$^h$-a | 82 |
| | *$p^h$al-a | 87 |
| | *$p^h$as$^y$-a | 109 |
| | *$p^h$il$^y$-a | 133 |
| | *dal-a | 148 |
| | *$t^h$ar-a | 196 |
| | *t'aħ-a | 219 |
| | *t'$^y$ar-a | 271 |
| | *$c^h$al-a | 305 |
| | *gad-a | 355 |
| | *t͡ɬ$^h$ut'-a | 608 |
| split, that which is | *gad-a | 355 |
| split, to | *bad- | 5 |
| | *bak'- | 17 |
| | *bit͡ɬ$^h$- | 55 |
| | *$p^h$al- | 87 |
| | *$p^h$as$^y$- | 109 |
| | *$p^h$il$^y$- | 133 |
| | *dun$^y$- | 180 |
| | *$t^h$ar- | 196 |
| | *t'aħ- | 219 |
| | *t'$^y$ar- | 271 |
| | *$c^h$al- | 305 |
| | *sak$^h$- | 319 |
| | *šar- | 343 |
| | *gad- | 355 |
| | *gar- | 370 |
| | *k'ir- or *k'ur- | 491 |
| | *q$^h$al- | 571 |
| | *t͡ɬ$^h$ut'- | 608 |
| | *nag- | 921 |
| split (with a tool or weapon), to | *bar- | 35 |
| split apart, to | *bit͡ɬ$^h$- | 55 |
| | *$p^h$ač$^h$- | 82 |
| | *haŋ- | 695 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| split into small pieces, to | *k'ep'- | 488 |
| split into two parts, to | *t'uʔ$^{w}$- | 243 |
| split open, to | *p$^{h}$ač$^{h}$- | 82 |
| | *t͡ɬ$^{h}$al- | 598 |
| splits, that which | *šar-a | 343 |
| splitting into small pieces, the act of | *k'ep'-a | 488 |
| spoil, to | *k'$^{w}$ed- | 549 |
| spoiled, that which is | *t'$^{y}$am-a | 267 |
| spoon | *k$^{h}$ay-a | 440 |
| sport | *ʒak'-a | 295 |
| sport, to make | *ʒak'- | 295 |
| spot | *mar-a | 882 |
| spotted, that which is | *bul-a | 68 |
| spray | *rek'-a | 971 |
| spray, to | *rek'- | 971 |
| spread | *ban-a | 23 |
| | *bul-a | 63 |
| | *p$^{h}$al- | 89 |
| | *t$^{h}$al$^{y}$-a | 189 |
| | *t$^{h}$an$^{y}$- | 191 |
| | *t$^{h}$ar-a | 195 |
| spread, to | *ban- | 23 |
| | *p$^{h}$ar- | 100 |
| | *p$^{h}$at$^{h}$- | 112 |
| | *t$^{h}$al$^{y}$- | 189 |
| | *t$^{h}$ar- | 195 |
| | *ħak'- | 706 |
| spread about, to | *t$^{h}$ar- | 195 |
| spread forth, to | *s$^{y}$or- | 288 |
| spread out | *p$^{h}$ar-a | 100 |
| | *t$^{h}$al$^{y}$-a | 189 |
| spread out, to | *bul- | 63 |
| | *p$^{h}$at$^{h}$- | 112 |
| | *t$^{h}$ar- | 195 |
| spread out, to be | *p$^{h}$at$^{h}$- | 112 |
| spring (= stream) | *k'$^{w}$al$^{y}$-a | 536 |
| spring forth, to | *s$^{y}$or- | 288 |
| | *ʒar- or *ǯar- | 296 |
| sprinkle, to | *ban- | 22 |
| | *t'al$^{y}$- | 224 |
| | *rek'- | 971 |
| sprinkle with water, to | *siħ- | 328 |
| sprinkled | *duw-a | 183 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| sprinkled about, anything | *duw-a | 183 |
| sprinkling | *ʒil-a or *ǯil-a | 298 |
| | *rek'-a | 971 |
| sprout | *ʕag-a | 745 |
| | *xan-a | 772 |
| | *nʸaʕ-r-a | 937 |
| sprout, to | *bul-V-γ- | 65 |
| | *ʕag- | 745 |
| | *xan- | 772 |
| | *nʸaʕ-V-r- | 937 |
| squander, to | *bad- | 6 |
| squeak, to | *c'irʸ- | 313 |
| squeeze | *bit'ʸ-a | 54 |
| squeeze (out), to | *mal- | 862 |
| squeeze, to | *bit'ʸ- | 54 |
| | *čʰečʰ- | 337 |
| | *nʸam- | 939 |
| squeeze tight, to | *ʒag- | 293 |
| squeeze together, to | *tʰik'- | 207 |
| | *hak'- | 689 |
| squeeze with the hand, to | *kʰapʰ- | 419 |
| squeezed, that which is | *čʰečʰ-a | 337 |
| squeezing | *ʒag-a | 293 |
| | *nʸam-a | 939 |
| squeezing, the act of | *čʰečʰ-a | 337 |
| squirrel | *wur-a (~ *wor-a) | 841 |
| stab | *ʈʰakʷʰ-a | 597 |
| stab, to | *ʒer- or *ǯer- | 297 |
| | *ʈʰakʷʰ- | 597 |
| | *waħ- | 795 |
| | *waŋ- | 811 |
| | *mir- | 898 |
| | *nag- | 921 |
| stable, to be | *dag- | 146 |
| stack | *tʰul-a | 213 |
| stack (in a heap), to | *tʰul- | 213 |
| staff | *ɢarʸ-a | 562 |
| stain | *mar-a | 882 |
| stain, to | *mar- | 882 |
| stalk | *kʰalʸ-a | 411 |
| | *kʰanʸ-a | 416 |
| | *ɢarʸ-a | 562 |
| stand guard over, to | *man- | 870 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| stand on end, to | *bar- | 27 |
| stand out, to | *gar$^{y}$- | 374 |
| | *mun- | 902 |
| star | *q'al-a or *q'el-a | 577 |
| startled, to be | *ħat'- | 728 |
| starvation | *wal-a | 803 |
| stay, to | *k'$^{w}$ar- | 541 |
| | *wan- | 807 |
| | *man- | 869 |
| staying | *buw-a | 80 |
| steadfast | *t'$^{y}$ar-a | 268 |
| steadfast, to be | *man- | 869 |
| steal, to | *k$^{h}$al$^{y}$- | 412 |
| steam | *p'ul$^{y}$-a | 141 |
| | *duw-a | 183 |
| steam, to give off | *p'ul$^{y}$- | 141 |
| stem | *k$^{h}$al$^{y}$-a | 411 |
| | *k$^{h}$an$^{y}$-a | 416 |
| | *ɢar$^{y}$-a | 562 |
| stench | *d$^{y}$ip$^{h}$-a | 255 |
| step | *ʔot'-a | 679 |
| step aside, to | *ʔot'- | 679 |
| step by step, to do or approach something | *hak$^{h}$- | 688 |
| stick | *bud-a | 59 |
| | *k$^{h}$an$^{y}$-a | 416 |
| | *ɢar$^{y}$-a | 562 |
| stick out, to | *gar$^{y}$- | 374 |
| stiff | *t'$^{y}$ar-a | 269 |
| stiff, that which is | *t'$^{y}$ar-a | 269 |
| stiff, to be | *t'$^{y}$ar- | 269 |
| stiff, to be or become | *gar$^{y}$- | 374 |
| still (= quiet) | *k'$^{w}$ar-a | 541 |
| | *ʔan$^{y}$-a | 633 |
| | *rom-a | 973 |
| still, to be | *ʔan$^{y}$- | 633 |
| still, to become | *ħam- | 714 |
| stillness | *k'$^{w}$ar-a | 541 |
| | *ħam-a | 714 |
| sting | *c$^{h}$ag-a | 303 |
| stink, to | *d$^{y}$ip$^{h}$- | 255 |
| | *q'ar$^{y}$- | 581 |
| stinking | *q'ar$^{y}$-a | 581 |
| stinking thing | *q'ar$^{y}$-a | 581 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| stir, to | *k'al- | 465 |
| | *rag- | 963 |
| stir up, to | *dal- | 149 |
| | *ɢal- | 557 |
| | *wak'- | 796 |
| stir up trouble, to | *dul- | 173 |
| stirred up, to be | *ɢal- | 557 |
| stomach | *wat'$^{y}$-a | 824 |
| stone | *p$^{h}$al-a | 88 |
| | *k$^{h}$iw-a | 445 |
| | *k'al-a | 462 |
| | *k'$^{w}$ar-a | 542 |
| stone, grinding | *k'$^{w}$ar-a | 542 |
| stoop down, to | *k'um- | 502 |
| | *lam- | 952 |
| | *lam-V-d- | 952 |
| stooping, the act of | *k'um-a | 502 |
| stop, to | *t'ad- | 218 |
| | *rom- | 973 |
| stoppage | *c$^{h}$uk$^{h}$-a | 307 |
| storm | *bur-a | 75 |
| | *sig-a | 327 |
| | *k'$^{w}$ar$^{y}$-a | 544 |
| storm cloud | *nab-a | 918 |
| stormy weather | *k'$^{w}$ar$^{y}$-a | 544 |
| story | *k$^{h}$ul-a | 449 |
| stove | *gub-a | 391 |
| straight | *woy-k$^{h}$-a | 839 |
| straightness | *woy-k$^{h}$-a | 839 |
| strain | *k'ac$^{h}$-a | 456 |
| strain, to | *k'ac$^{h}$- | 456 |
| | *muk'- | 901 |
| straining (as a woman in labor or as when defecating) | *muk'-a | 901 |
| stranger | *gus-a | 398 |
| strangle, to | *ħan-V-g- | 717 |
| strap | *ǯal-a | 332 |
| stream | *d$^{y}$aw-a | 252 |
| | *ʒar-a or *ǯar-a | 296 |
| | *k'$^{w}$al$^{y}$-a | 536 |
| | *ħap$^{h}$-a | 720 |
| | *mor-a | 900 |
| strength | *t'$^{y}$ar-a | 268 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | **gal-a* | 364 |
| | **g[e]n-d-a* | 378 |
| | **k$^h$ar-a* | 426 |
| | **ʔab-a* | 615 |
| | **ħal$^y$-a* | 711 |
| | **ʕur-a* | 766 |
| | **wak'-a* | 796 |
| | **wal-a* | 797 |
| | **woy-a* | 838 |
| | **mag-a* | 850 |
| | **mak'-a* | 856 |
| stretch | **ban-a* | 23 |
| | **t$^h$al$^y$-a* | 189 |
| | **t$^h$ar-a* | 195 |
| | **rak'-a* | 966 |
| stretch, to | **t$^h$al$^y$-* | 189 |
| | **t$^h$an$^y$-* | 191 |
| | **t$^h$ar-* | 195 |
| | **ʔut'-* | 686 |
| | **war-* | 815 |
| | **mad-* | 848 |
| | **mat'-* | 887 |
| | **rak'-* | 966 |
| stretch out, to | **t$^h$ar-* | 195 |
| | **t'al-* | 223 |
| | **c'al-* or **č'al-* | 308 |
| stretch out the hand, to | **ɢer-* | 566 |
| stretched | **t$^h$al$^y$-a* | 189 |
| | **t$^h$an$^y$-a* | 191 |
| | **t$^h$ar-a* | 195 |
| | **rak'-a* | 966 |
| stretching, the act of | **rak'-a* | 966 |
| stretching out one's hand, the act of | **ɢer-a* | 566 |
| strew, to | **t$^h$ar-* | 195 |
| | **siħ-* | 328 |
| strewing about, the act of | **siħ-a* | 328 |
| strewn | **duw-a* | 183 |
| strewn about | **siħ-a* | 328 |
| strewn about, anything | **duw-a* | 183 |
| strewn about, to be | **duw-* | 183 |
| strife | **t͡ɬ$^h$ar-a* | 599 |
| strife, to cause | **t͡ɬ$^h$ar-* | 599 |
| strike | **baħ-a* | 15 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *dal-a | 148 |
| | *$t^{y}$$^{h}$al-a | 257 |
| | *k'an-a | 472 |
| | *$g^{w}$an-a | 508 |
| | *wed-a | 827 |
| strike, to | *baħ- | 15 |
| | *ban- | 24 |
| | *$t^{h}$ak'- | 187 |
| | *$t^{h}$ap$^{h}$- | 193 |
| | *t'ap$^{h}$- | 228 |
| | *t'aw- | 233 |
| | *t'uk'- | 244 |
| | *$d^{y}$ab- | 248 |
| | *$t^{y}$$^{h}$um- | 263 |
| | *t'$^{y}$ad- | 264 |
| | *k'an- | 472 |
| | *k'ud- | 495 |
| | *$g^{w}$an- | 508 |
| | *k'$^{w}$ad- | 532 |
| | *k'$^{w}$aħ- | 534 |
| | *$q^{h}$al- | 571 |
| | *$q^{h}$at$^{h}$- | 574 |
| | *q'$^{w}$al- | 589 |
| | *ʕak$^{h}$- | 746 |
| | *waħ- | 795 |
| | *waŋ- | 811 |
| | *nag- | 921 |
| | *nik$^{h}$- | 931 |
| | *laħ- | 947 |
| | *lax$^{w}$- | 959 |
| strike fire, to | *k'$^{w}$as- | 545 |
| strike (with a weapon), to | *wed- | 827 |
| strike (with an instrument), to | *gad- | 355 |
| strike with a sharp instrument, to | *$t^{y}$$^{h}$al- | 257 |
| striking, the act of | *ʕak$^{h}$-a | 746 |
| | *lax$^{w}$-a | 959 |
| string | *$p^{h}$ir-a | 121 |
| | *ʒal-a | 332 |
| | *k'aŋ-a | 473 |
| | *mar-a | 879 |
| strip away, to | *k'al$^{y}$- | 467 |
| strip off, to | *k'al$^{y}$- | 467 |
| stripping away | *k'al$^{y}$-a | 467 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| stripping off | *k'al$^{y}$-a | 467 |
| strive against, to | *mar- | 877 |
| strive for, to | *win- or *wiŋ- | 834 |
| stroke | *t$^{h}$ak'-a | 187 |
| | *t$^{h}$ap$^{h}$-a | 193 |
| | *t'ap$^{h}$-a | 228 |
| | *t'uk'-a | 244 |
| | *d$^{y}$ab-a | 248 |
| | *c$^{h}$al-a | 305 |
| | *k'ud-a | 495 |
| | *k'$^{w}$ad-a | 532 |
| | *q$^{h}$al-a | 571 |
| | *nag-a | 921 |
| | *lax$^{w}$-a | 959 |
| stroke, to | *mal- | 863 |
| stroking, the act of | *mal-a | 863 |
| strong | *t'$^{y}$ar-a | 268 |
| | *k$^{h}$ar-a | 426 |
| | *ʔab-a | 615 |
| | *ʔad-a | 617 |
| | *ħal$^{y}$-a | 711 |
| | *ʕur-a | 766 |
| | *mag-a | 850 |
| | *mak'-a | 856 |
| | *man-g-a | 872 |
| strong, to be | *gal- | 364 |
| | *ʔad- | 617 |
| | *ħal$^{y}$- | 711 |
| | *ʕur- | 766 |
| | *xam- | 771 |
| | *xam-V-d- | 771 |
| | *mak'- | 856 |
| strong, to be or become | *wal- | 797 |
| strong odor, to give off a | *d$^{y}$ip$^{h}$- | 255 |
| strongly attached, to be | *t'$^{y}$ar- | 268 |
| structure | *t'am-a | 225 |
| struggle | *bur-a | 73 |
| stuck together, to be or become | *t'$^{y}$ar- | 268 |
| study | *k$^{h}$al-a | 410 |
| stuff, to | *t$^{h}$ur- | 216 |
| | *t'an- | 226 |
| | *ʒag- | 293 |
| (stupid, to be) | *dul- | 173 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| (stupidity) | *dul-a* | 173 |
| stupor | *$t^yh$um-a* | 263 |
| succumb, to | *ʔeb-* | 657 |
| such-and-such, to be not | *ʔal-* | |
| | (perhaps also *ʔel-, *ʔul-) | 628 |
| suck (milk from a breast), to | *ʕun$^y$- | 765 |
| suck (out), to | *mal- | 862 |
| suck, to | *diy- | 168 |
| | *k'$^w$an- | 538 |
| | *ʕim- | 762 |
| suck, to give | *mal- | 862 |
| suck milk, to | *lab- | 943 |
| suck (the breast), to | *mam-, *mem- | 845 |
| sucking | *lab-a* | 943 |
| sucking, the act of | *ʕim-a* | 762 |
| suckle, to | *diy- | 168 |
| | *k'$^w$an- | 538 |
| | *mam-, *mem- | 845 |
| | *mal- | 862 |
| | *man- | 867 |
| suckling | *man-a* | 867 |
| suffer, to | *$t^h$al$^y$- | 189 |
| | *gal- | 362 |
| | *muŋ- | 904 |
| | *nus$^y$- | 936 |
| suffer, to make to | *bad- | 7 |
| suffering | *bad-a* | 7 |
| | *$t^h$al$^y$-a* | 189 |
| | *muk'-a* | 901 |
| | *muŋ-a* | 904 |
| | *nik$^h$-a* | 931 |
| suffering, to be in | *muŋ- | 904 |
| suffering, to cause | *muŋ- | 904 |
| suitability | *t'ak$^h$-a* | 220 |
| | *s$^y$uw-a* | 291 |
| suitable | *t'ak$^h$-a* | 220 |
| | *s$^y$uw-a* | 291 |
| suitable, to be | *t'ak$^h$- | 220 |
| | *s$^y$uw- | 291 |
| summer | *s$^y$am-a* | 277 |
| summit | *gub-a* | 390 |
| | *k$^h$ir-a* | 443 |
| | *ʕal-a* | 747 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| summons | *q'$^{w}$at$^{yh}$-a | 594 |
| sun | *s$^{y}$ax$^{w}$-a | 281 |
| sunken | *ʕam-a | 749 |
| sunlight | *hag-a | 687 |
| sunny, to be | *s$^{y}$am- | 277 |
| sunset | *γam-a | 782 |
| superior | *ʔap$^{h}$-a | 640 |
| | *ħar-a | 723 |
| superior, that which is | *ʔap$^{h}$-a | 640 |
| superior, to be | *ʔap$^{h}$- | 640 |
| | *ħar- | 723 |
| supervise, to | *rak'- | 967 |
| support | *k$^{h}$al-a | 409 |
| surge | *bal-a | 19 |
| | *s$^{y}$or-a | 288 |
| | *wel$^{y}$-a | 830 |
| surge, to | *bal- | 19 |
| | *wel$^{y}$- | 830 |
| surge forth, to | *s$^{y}$or- | 288 |
| surge up, to | *ħaw- | 730 |
| surpass, to | *p$^{h}$ar- | 101 |
| | *d$^{y}$iʔ- | 254 |
| | *ʔap$^{h}$- | 640 |
| | *maħ- | 853 |
| | *mik'- | 896 |
| surplus | *t$^{h}$ir-p$^{h}$-a | 209 |
| | *gam-a | 366 |
| surprise, exclamation of | *hay | 699 |
| surround, to | *c'ur- | 314 |
| surroundings | *c'ur-a | 314 |
| surrounds, that which | *c'ur-a | 314 |
| suspend, to | *t͡ɬ$^{h}$uŋ-V-k$^{h}$- | 607 |
| sustenance | *k'al-a | 461 |
| swallow, to | *šaw- | 344 |
| | *q'el- | 583 |
| | *q'$^{w}$ur- | 595 |
| | *ʕim- | 762 |
| | *ʕun$^{y}$- | 765 |
| swallowing, the act of | *ʕim-a | 762 |
| swamp | *ber-a | 43 |
| | *mar-a | 883 |
| sweepings | *q$^{h}$oc$^{h}$-a | 575 |
| swell, to | *bar- | 26 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *bir- | 49 |
| | *bug- | 60 |
| | *bul- | 63 |
| | *bul-bul- (> *bum-bul-) | 66 |
| | *bun- | 70 |
| | *bun-V-g- | 70 |
| | *$p^h$uʔ- | 124 |
| | *$p^h$ul$^y$- | 126 |
| | *p'ul- | 140 |
| | *dar$^y$- | 155 |
| | *did- | 162 |
| | *$t^h$aw- | 202 |
| | *$t^{yh}$iq'$^w$- | 261 |
| | *šiw- | 348 |
| | *gar$^y$- | 373 |
| | *$k^h$aw- | 436 |
| | *$g^w$an- | 509 |
| | *ħaw- | 731 |
| | *ħay-V-t'- | 734 |
| | *ħon- | 740 |
| | *maħ- | 853 |
| | *man- | 871 |
| | *man-V-g- | 872 |
| | *mik'- | 896 |
| swelling | *bar-a | 26 |
| | *bul-bul-a (> *bum-bul-a) | 66 |
| | *bun-a | 70 |
| | *bun-g-a | 70 |
| | *$p^h$uʔ-a | 124 |
| | *p'ul-a | 140 |
| | *dar$^y$-a | 155 |
| | *$t^h$aw-a | 202 |
| | *$t^{yh}$iq'$^w$-a | 261 |
| | *šiw-a | 348 |
| | *gar$^y$-a | 373 |
| | *$g^w$an-a | 509 |
| | *ħaw-a | 731 |
| | *ħay-t'-a | 734 |
| | *ħon-a | 740 |
| swelling (on the skin) | *$p^h$ul$^y$-a | 126 |
| swift | *t'$^y$or-a | 276 |
| swiftly, to move | *$p^h$ar- | 102 |
| swim | *wuy-a or *Huy-a | 843 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| swim, to | *wuy- or *Huy- | 843 |
| swimming | *wuy-a or *Huy-a | 843 |
| swing back and forth, to | *dulʸ- | 174 |
| swinging | *dulʸ-a | 174 |
| swollen | *bun-g-a | 70 |
| | *p'ul-a | 140 |
| | *did-a | 162 |
| | *tʰaw-a | 202 |
| | *šiw-a | 348 |
| | *ħay-t'-a | 734 |
| | *man-g-a | 872 |
| swollen, that which is | *pʰulʸ-a | 127 |
| sword | *sakʰ-a | 319 |
| | *waħ-a | 795 |
| tail | *k'ʷad-a | 533 |
| take (away), to | *tʰekʰ- | 203 |
| | *sʸilʸ- | 284 |
| take (with the hand), to | *gat'- | 376 |
| take (with the hands or arms), to | *ħapʰ- | 719 |
| take, to | *day- | 161 |
| | *ʒum- or *ǯum- | 301 |
| | *k'aw- | 485 |
| | *ʔam- | 629 |
| | *wad- | 794 |
| | *manʸ- | 875 |
| | *nitʰ- | 932 |
| take away, to | *k'al- | 463 |
| | *qʰocʰ- | 575 |
| | *wotʰ- | 837 |
| take by force, to | *ʕap'- | 754 |
| take care of, to | *man- | 870 |
| take hold of, to | *bar- | 31 |
| | *pʰaŋ- | 96 |
| | *pʰaŋ-V-kʷʰ- | 96 |
| | *gar- | 369 |
| | *k'ab- | 455 |
| | *ʕap'- | 754 |
| | *wotʰ- | 837 |
| | *lab- | 942 |
| take in hand, to | *pʰaŋ- | 96 |
| | *pʰaŋ-V-kʷʰ- | 96 |
| take off, to | *qʰocʰ- | 575 |
| take with the hand, to | *kʰapʰ- | 419 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| taking | *ʒum-a* or *ǯum-a* | 301 |
| | *lab-a* | 942 |
| taking, the act of | *$t^h$ek$^h$-a* | 203 |
| | *ʒum-a* or *ǯum-a* | 301 |
| | *wad-a* | 794 |
| | *wot$^h$-a* | 837 |
| tale | *t'il-a* | 239 |
| | *k$^h$ul-a* | 449 |
| talk (= speech; discourse) | *t'il-a* | 239 |
| | *x$^w$at'-a* | 779 |
| talk, to | *k$^h$il-* | 441 |
| talkative, to be | *wat$^h$-* | 823 |
| tall | *bir-a* | 49 |
| | *bir-g-a* | 49 |
| | *t'al-a* | 223 |
| tall, to be | *ʕal-* | 747 |
| tallness | *bir-a* | 49 |
| (tallow) | *p$^h$ul$^y$-a* | 127 |
| tame | *t'um-a* | 246 |
| tame, to | *t'um-* | 246 |
| tamp (earth), to | *diq$^h$-* | 167 |
| taut | *t$^h$ar-a* | 195 |
| tear (= split) | *t$^h$ar-a* | 196 |
| | *t'ar-a* | 230 |
| | *t'$^y$ar-a* | 271 |
| | *gal-a* | 357 |
| | *row-a* | 974 |
| tear, to | *p$^h$id-* | 132 |
| | *t$^h$ar-* | 196 |
| | *t'ar-* | 230 |
| | *t'ar-V-p$^h$-* | 231 |
| tear apart, to | *p'ut'-* | 142 |
| | *row-* | 974 |
| tear asunder, to | *šar-* | 343 |
| tear off, to | *bir-* | 51 |
| | *p$^h$id-* | 132 |
| | *p'ut'-* | 142 |
| | *gal-* | 357 |
| | *k'al$^y$-* | 467 |
| | *x$^w$al-* | 777 |
| tear out, to | *p$^h$id-* | 132 |
| | *k'al$^y$-* | 467 |
| | *x$^w$al-* | 777 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| tearing | *t'ar-p$^h$-a | 231 |
| tearing, the act of | *p$^h$id-a | 132 |
| tearing off, the act of | *bir-a | 51 |
| | *x$^w$al-a | 777 |
| tearing out, the act of | *x$^w$al-a | 777 |
| teat | *diy-a | 168 |
| | *ʕim-a | 762 |
| teeming | *ʔap$^h$-a | 640 |
| tell, to | *t'il- | 239 |
| | *k$^h$ul- | 449 |
| | *q'$^w$at$^{yh}$- | 594 |
| | *war- and/or *wir- | 818 |
| tend, to | *man- | 870 |
| tender | *ʔax-a | 620 |
| | *mel-a | 890 |
| tender, to be | *ʔax- | 620 |
| | *ħan- | 715 |
| tenderness | *ħan-a | 715 |
| tendon | *s$^y$ir-a | 285 |
| | *s[e]n-a or *š[e]n-a | 324 |
| terrified, to be | *ħat'- | 728 |
| testicle | *mun-a | 903 |
| | *mun-d-a | 903 |
| testicles | *bul-a (~ *bol-a) | 64 |
| that | *t$^h$i- (~ *t$^h$e-) | 184 |
| | *ša- (~ *šə-) | 342 |
| | *k$^h$i- (~ *k$^h$e-) | 402 |
| | *ʔu- (~ *ʔo-) | 614 |
| | *mi- (~ *me-) | 844 |
| | *na (~ *nə), *ni (~ *ne) | 913 |
| that one | *d$^y$i- (~ *d$^y$e-) | 253 |
| that over there | *t$^{yh}$a- | 256 |
| | *ʔa- (~ *ʔə-) | 614 |
| | *ʔul- (~ *ʔol-) | 683 |
| that yonder | *t$^h$u- (~ *t$^h$o-) | 184 |
| | *k$^h$u- (~ *k$^h$o-) | 402 |
| | *ʔa- (~ *ʔə-) | 614 |
| | *ʔul- (~ *ʔol-) | 683 |
| | *mu- (~ *mo-) | 844 |
| that yonder (not very far) | *t$^{yh}$a- | 256 |
| theft | *k$^h$al$^y$-a | 412 |
| their | *-si (~ *-se) | 326 |
| them | *si- (~ *se-) | 326 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| then | *ħar$^{y}$- | 725 |
| therefore | *ħar$^{y}$- | 725 |
| they | *si- (~ *se-) | 326 |
| thick | *bar-a | 29 |
| | *bun-g-a | 70 |
| | *t$^{h}$ik'-a | 207 |
| | *t'an-a | 226 |
| | *k'an-a | 471 |
| thick, to be | *bar- | 29 |
| thickness | *bar-a | 29 |
| | *t'an-a | 226 |
| | *k'an-a | 471 |
| | *k'$^{w}$ur$^{y}$-a | 553 |
| (thin) | *t$^{h}$al$^{y}$-a | 189 |
| thin, to grow | *t$^{h}$aħ- | 185 |
| think, to | *t'$^{y}$iŋ- | 274 |
| | *ʕeŋ- | 759 |
| | *man- | 868 |
| think about, to | *saħ- or *šaħ- | 318 |
| thinness | *t$^{h}$al$^{y}$-a | 189 |
| this | *t$^{h}$a- (~ *t$^{h}$ə-) | 184 |
| | *ša- (~ *šə-) | 342 |
| | *k$^{h}$a- (~ *k$^{h}$ə-) | 402 |
| | *ʔi- (~ *ʔe-) | 614 |
| | *ma- (~ *mə-) | 844 |
| | *na (~ *nə), *ni (~ *ne) | 913 |
| this one | *d$^{y}$i- (~ *d$^{y}$e-) | 253 |
| thorn | *t$\underset{\smile}{ɬ}$$^{h}$ak$^{wh}$-a | 597 |
| | *ʔad$^{y}$-a | 618 |
| though | *k$^{wh}$ay- | 525 |
| thought | *t'$^{y}$iŋ-a | 274 |
| | *saħ-a or *šaħ-a | 318 |
| | *ʕeŋ-a | 759 |
| thrashing | *c$^{h}$aħ-a | 304 |
| thrashing, the act of | *c$^{h}$aħ-a | 304 |
| thrive, to | *riy- | 972 |
| throat | *q$^{h}$ar$^{y}$-a | 573 |
| | *q'el-a | 583 |
| | *q'$^{w}$ur-a | 595 |
| | *ħan-g-a | 717 |
| | *x$^{w}$el$^{y}$-a | 780 |
| throng | *ɢam-a | 558 |
| throw, to | *day- | 159 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *siħ- | 328 |
| | *gud- | 392 |
| | *q'$^{w}$al- | 590 |
| | *ʕam- | 751 |
| throw down, to | *c'ar- | 309 |
| throwing | *q'$^{w}$al-a | 590 |
| throwing about, the act of | *siħ-a | 328 |
| thrown about | *siħ-a | 328 |
| thrown aside, that which is | *gud-a | 392 |
| thrown off, that which is | *gud-a | 392 |
| thrust | *t$^{h}$al$^{y}$-a | 190 |
| | *t$^{h}$ur-a | 216 |
| | *k'$^{w}$ad-a | 532 |
| | *t͡ɬ$^{h}$ak$^{wh}$-a | 597 |
| | *t͡ɬ'uk$^{h}$-a | 612 |
| thrust, to | *t$^{h}$al$^{y}$- | 190 |
| thrust (in), to | *t͡ɬ'uk$^{h}$- | 612 |
| thrust in, to | *t$^{h}$ur- | 216 |
| thrust into, to | *ʒer- or *ǯer- | 297 |
| thumb | *p$^{h}$al-a | 93 |
| thump | *t'uk'-a | 244 |
| | *k'an-a | 472 |
| | *k'ud-a | 495 |
| thunder, clap of | *ɢad-a | 554 |
| | *ɢad-ɢad-a | 554 |
| thunder, to | *k'$^{w}$ar$^{y}$- | 544 |
| thunderstorm | *k'$^{w}$ar$^{y}$-a | 544 |
| tickle, to | *ɢit'- | 568 |
| tie | *baʕ-a | 2 |
| | *ban-d-a | 25 |
| | *bin-a | 47 |
| | *k$^{h}$ad-a | 406 |
| | *k'ač$^{h}$-a | 457 |
| | *k'ad-a | 458 |
| | *k'aŋ-a | 473 |
| | *k$^{wh}$ir-a | 529 |
| | *t͡ɬ'im-a | 611 |
| | *rak$^{h}$-a | 964 |
| tie (together), to | *ban-V-d- | 25 |
| tie, to | *baʕ- | 2 |
| | *t'an- | 227 |
| | *sak'$^{w}$- | 320 |
| | *ǯal- | 332 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$k^h$ad- | 406 |
| | *k'ad- | 458 |
| | *yaʔ- | 785 |
| | *net'$^y$- | 929 |
| | *rak$^h$- | 964 |
| tie tightly, to | *ħan-V-g- | 717 |
| | *bin- | 47 |
| | *k'ar- | 481 |
| tie together, to | *bag- | 11 |
| | *$s^y$ir- | 285 |
| | *c'ur- | 314 |
| | *k'ač$^h$- | 457 |
| | *k'aŋ- | 473 |
| | *k'un- | 504 |
| | *$k^{wh}$ir- | 529 |
| tie two things together, to | *$k^h$ol$^y$- | 446 |
| tied | *k'ar-a | 481 |
| | *tɬ'im-a | 611 |
| | *xal-a | 769 |
| tied together, that which is | *c'ur-a | 314 |
| | *k'ar-a | 481 |
| tight | *$t^h$ar-a | 195 |
| time | *ʔam-a | 630 |
| time, point of | *ʔam-a | 630 |
| tip (= point) | *dud-a | 171 |
| | *ʒuʒ-a | 302 |
| | *gab-a | 352 |
| | *gar$^y$-a | 374 |
| | *$k^h$ir-a | 443 |
| | *q'$^w$ar-a | 591 |
| | *ʕam-a | 750 |
| | *ʕam-d-a | 750 |
| tipsy | *$t^h$ar-a | 200 |
| tire, to | *dal$^y$- | 150 |
| tire out, to | *$t^{yh}$um- | 263 |
| tired | *bul-a | 69 |
| | *dal$^y$-a | 150 |
| | *$t^h$an$^y$-a | 192 |
| | *mel-a | 890 |
| tired, that which is | *bul-a | 69 |
| tired, to be or become | *was$^y$- | 819 |
| tired, to become | *bul- | 69 |
| | *mel- | 890 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | **mol-* | 899 |
| tired, to grow | **tʰanʸ-* | 192 |
| tiredness | **dalʸ-a* | 150 |
| to | **ʔanʸ-* | 635 |
| together | **kʰam-* | 415 |
| together with | **bi* | 46 |
| | **da-* (~ **də-*) | 143 |
| toil | **kʰam-a* | 414 |
| toil, to | **kʰam-* | 414 |
| tongue | **t'il-a* | 240 |
| | **kʰil-a* | 441 |
| | **lasʸ-a*, **lisʸ-a*, **lusʸ-a* | 953 |
| tool used to form something | **tʰikʰ-a* | 206 |
| tool used to make something | **tʰikʰ-a* | 206 |
| tooth | **q'am-a* | 579 |
| | **t͡ɬ'ar-s-a* | 609 |
| top | **tʰal-a* | 188 |
| | **sʸub-a* | 289 |
| | **gab-a* | 352 |
| | **gub-a* | 390 |
| | **kʰir-a* | 443 |
| | **ʕam-a* | 750 |
| | **ʕam-d-a* | 750 |
| topmost part | **war-a* | 816 |
| | **mun-a* | 902 |
| torch | **ʕal-a* | 748 |
| torment, to | **dar-* | 153 |
| | **muŋ-* | 904 |
| torn | **t'ʸar-a* | 271 |
| torn-off piece or part | **p'ut'-a* | 142 |
| torrent | **baʕ-a* | 1 |
| | **ʒar-a* or **ǯar-a* | 296 |
| | **ħaw-a* | 730 |
| torrential rain | **ħaw-a* | 730 |
| torture, to | **muŋ-* | 904 |
| toss, to | **gud-* | 392 |
| tossed aside, that which is | **gud-a* | 392 |
| tossed off, that which is | **gud-a* | 392 |
| touch | **tʰak'-a* | 187 |
| touch, to | **tʰak'-* | 187 |
| | **gasʸ-* | 375 |
| | **ʔam-* | 629 |
| touched | **ʔam-a* | 629 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| towards | *ʔan$^{y}$- | 635 |
| track | *k'$^{w}$al-a | 535 |
| | *ʔot'-a | 679 |
| | *mar-a | 880 |
| trade | *wos-a | 836 |
| trade, to | *wos- | 836 |
| trample, to | *t$^{h}$ap$^{h}$- | 193 |
| | *t'uk'- | 244 |
| tranquil | *rom-a | 973 |
| tranquil, to become | *ħam- | 714 |
| tranquility | *t'um-a | 246 |
| | *ʔan$^{y}$-a | 633 |
| | *ħam-a | 714 |
| | *rom-a | 973 |
| travel, to | *naʕ- | 916 |
| travel on foot, to | *lak$^{h}$- | 949 |
| tree | *t'or$^{y}$-a | 241 |
| | *mar-a | 884 |
| tree, a kind of | *d$^{y}$an-w-a | 250 |
| | *wir-a | 835 |
| tree, the parts of a | *t'or$^{y}$-a | 241 |
| tree, small | *ǯag$^{w}$-a | 330 |
| tree and its fruit | *ħas$^{y}$-a | 727 |
| tremble, to | *p$^{h}$at$^{h}$- | 111 |
| | *p$^{h}$el- | 116 |
| | *p$^{h}$ir- | 122 |
| | *t$^{h}$ar- | 201 |
| | *k'al- | 465 |
| | *ħat'- | 728 |
| | *ħut'- | 744 |
| | *naħ- | 922 |
| | *n$^{y}$uk$^{h}$- | 941 |
| trembling | *p$^{h}$ir-a | 122 |
| | *k'al-a | 465 |
| | *ħat'-a | 728 |
| | *ħut'-a | 744 |
| | *n$^{y}$uk$^{h}$-a | 941 |
| | *rag-a | 963 |
| | *raq'-a | 968 |
| trembling (from fear, fright) | *t$^{h}$ar-a | 201 |
| trench | *k$^{wh}$ar-a | 520 |
| | *ʔak$^{h}$-a | 623 |
| tribute | *k$^{h}$ap'-a | 421 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| trick, to | *$mak^h$- | 855 |
| trickery | *$mak^h$-a | 855 |
| trickle | *$k'^w al^y$-a | 536 |
| | *wal-a | 801 |
| trickle, to | *$k'^w al^y$- | 536 |
| trickling | *ʒil-a or *ǯil-a | 298 |
| trip | *ɢal-a | 555 |
| trouble | *bad-a | 7 |
| | *dul-a | 173 |
| | *$k'ac^h$-a | 456 |
| | *ħag-a | 703 |
| | *$nad^y$-a | 920 |
| trouble, to be in | *muŋ- | 904 |
| trouble, to cause | *muŋ- | 904 |
| trouble, to stir up | *dul- | 173 |
| troubled, to be | *dal- | 149 |
| | *dul- | 173 |
| | *ħag- | 703 |
| | *$mak^h$- | 855 |
| true | *$woy$-$k^h$-a | 839 |
| truncheon | *k'an-a | 472 |
| try to find out, to | *saħ- or *šaħ- | 318 |
| try to understand, to | *saħ- or *šaħ- | 318 |
| tumor | *$dar^y$-a | 155 |
| tumult | *gal-a | 361 |
| turbidity | *bul-a | 67 |
| turmoil | *gal-a | 361 |
| turn | *bur-a | 72 |
| | *$p^h$ir-a | 121 |
| | *dar-a | 152 |
| | *$wal^y$-a | 804 |
| | *mal-a | 865 |
| | *$maq^{wh}$-a | 876 |
| | *law-a | 955 |
| | *$rak^h$-a | 964 |
| turn, to | *bur- | 72 |
| | *$p^h$ir- | 121 |
| | *dar- | 152 |
| | *c'ur- | 314 |
| | *$č^h ok^h$- | 338 |
| | *k'ar- | 481 |
| | *$g^w ar$- | 510 |
| | *$hap^h$- | 696 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *ħaw- | 732 |
| | *wal$^{y}$- | 804 |
| | *mal- | 865 |
| | *maq$^{wh}$- | 876 |
| | *mar- | 879 |
| | *mur- | 906 |
| | *net'$^{y}$- | 929 |
| | *law- | 955 |
| | *rak$^{h}$- | 964 |
| | *rat$^{h}$- | 969 |
| turn around, to | *k$^{h}$ar- | 424 |
| | *ʕor$^{y}$- | 763 |
| turn away, to | *hap$^{h}$- | 696 |
| turn back, to | *hap$^{h}$- | 696 |
| turn gray, (hair) to | *p$^{h}$ar$^{y}$- | 107 |
| turn over, to | *mar- | 879 |
| turn round, to | *k'aw- | 484 |
| | *maq$^{wh}$- | 876 |
| | *mar- | 879 |
| turn together, to | *s$^{y}$ir- | 285 |
| | *k'aŋ- | 473 |
| turn upside down, to | *maq$^{wh}$- | 876 |
| turned | *g$^{w}$ar-a | 510 |
| turned away from | *hap$^{h}$-a | 696 |
| turned back | *hap$^{h}$-a | 696 |
| turned together | *dar-a | 152 |
| turning | *ʕor$^{y}$-a | 763 |
| | *rat$^{h}$-a | 969 |
| turning, the act of | *č$^{h}$ok$^{h}$-a | 338 |
| | *mar-a | 879 |
| turning away, the act of | *hap$^{h}$-a | 696 |
| turning back, the act of | *hap$^{h}$-a | 696 |
| turning over, the act of | *mar-a | 879 |
| turning round, the act of | *mar-a | 879 |
| turns, that which | *dar-a | 152 |
| | *k$^{wh}$al-a | 515 |
| twilight | *rum-a | 975 |
| twine | *p$^{h}$ir-a | 121 |
| twine together, to | *k$^{wh}$ir- | 529 |
| twining | *p$^{h}$ir-a | 121 |
| twining together, the act of | *k$^{wh}$ir-a | 529 |
| twist | *bur-a | 72 |
| | *p$^{h}$ir-a | 121 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$k^{wh}$ir-a | 529 |
| | *ħan-a | 716 |
| | *$maq^{wh}$-a | 876 |
| | *law-a | 955 |
| | *$rak^{h}$-a | 964 |
| twist, to | *bur- | 72 |
| | *$p^{h}$ir- | 121 |
| | *dar- | 152 |
| | *$t^{h}ak^{h}$- | 186 |
| | *c'ur- | 314 |
| | *$\check{c}^{h}ok^{h}$- | 338 |
| | *$k^{h}at^{h}$- | 432 |
| | *k'ar- | 481 |
| | *$g^{w}$ar- | 510 |
| | *ɢub- | 569 |
| | *ħan- | 716 |
| | *ħaw- | 732 |
| | *mal- | 865 |
| | *$maq^{wh}$- | 876 |
| | *mar- | 879 |
| | *mur- | 906 |
| | *law- | 955 |
| | *$rak^{h}$- | 964 |
| twist around, to | *$k^{h}$ar- | 424 |
| twist round, to | *k'aw- | 484 |
| | *ʕ$or^{y}$- | 763 |
| twist together, to | *bin- | 47 |
| | *dar- | 152 |
| | *$t^{h}ak^{h}$- | 186 |
| | *$s^{y}$ir- | 285 |
| | *k'aŋ- | 473 |
| | *$k^{wh}$ir- | 529 |
| | *net'$^{y}$- | 929 |
| twist (together), to | *ban-V-d- | 25 |
| twisted | *$k^{h}$ar-a | 424 |
| | *$g^{w}$ar-a | 510 |
| twisted, that which is | *$k^{h}at^{h}$-a | 432 |
| | *ɢub-a | 569 |
| twisted, to be | *$t^{h}ak^{h}$- | 186 |
| twisted together | *dar-a | 152 |
| twisted together, anything | *net'$^{y}$-a | 929 |
| twisted together, that which is | *c'ur-a | 314 |
| twisting | *ʕ$or^{y}$-a | 763 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| twisting, the act of | *$\check{c}^{h}ok^{h}$-a | 338 |
| twisting together, the act of | *$k^{wh}$ir-a | 529 |
| twists, that which | *dar-a | 152 |
| two | *yor-a | 790 |
| two halves | *t'uʔ$^{w}$-a | 243 |
| two things, any combination of | *$k^{h}ol^{y}$-a | 446 |
| tying | *ʕor$^{y}$-a | 763 |
| udder | *k'$^{w}$an-a | 538 |
| under, that which is | *ħal-a | 710 |
| underpart | *ħal-a | 710 |
| understanding | *saħ-a or *šaħ-a | 318 |
| | *gal-a | 360 |
| | *ħak$^{h}$-a | 705 |
| uneasiness | *k'al-a | 465 |
| unfruitful | *bar-a | 38 |
| unfruitful, to be or become | *bar- | 38 |
| unguent | *mar-a | 881 |
| union | *gid-a or *ɢid-a | 381 |
| | *t͡ɬ'im-a | 611 |
| unite, to | *gid- or *ɢid- | 381 |
| unite together, to | *t͡ɬ'im- | 611 |
| united | *gid-a or *ɢid-a | 381 |
| united together | *t͡ɬ'im-a | 611 |
| untamed | *guw-a | 400 |
| | *guw-r-a | 400 |
| upon | *ʔan$^{y}$- | 635 |
| | *ʕal- | 747 |
| up | *ʕaŋ- | 753 |
| upper part | *ʕaŋ-a | 753 |
| uppermost part | *war-a | 816 |
| uppermost part (of anything) | *$k^{h}$ir-a | 443 |
| uproar | *gal-a | 361 |
| | *q'$^{w}$al-a | 588 |
| upset, to | *dul- | 173 |
| upset, to be | *dul- | 173 |
| upward, to go | *xaŋ- | 773 |
| us | *wa- (~ *wə-) | 791 |
| | *ma (~ *mə) | 892 |
| | *na (~ *nə) | 912 |
| used up | *ǯaw-a | 333 |
| used up, to be | *ǯaw- | 333 |
| useless | *bar-a | 38 |
| useless, to be or become | *bar- | 38 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| utter, to | *$bak^h$- | 16 |
| utterance | *$bak^h$-a | 16 |
| vacant, to be | *$wel^y$- | 829 |
| valley | *gol-a | 389 |
| | *ʕam-a | 749 |
| vapor | *duw-a | 183 |
| vapor, to give off | *p'$ul^y$- | 141 |
| vehicle | *wig-a | 832 |
| vein | *$s^yir$-a | 285 |
| vessel (= pot) | *gal-a | 359 |
| | *k'ud-a (~ *k'od-a) | 496 |
| | *$k^{wh}ar$-a | 521 |
| vex, to | *$nad^y$- | 920 |
| vexation | *$nad^y$-a | 920 |
| vexed, to be | *ħag- | 703 |
| victory | *sag-a or *šag-a | 317 |
| | *wel-a | 828 |
| view | *ʕen-a | 758 |
| view, to come into | *$wil^y$- | 833 |
| vigil | *war-a | 813 |
| vigor | *wak'-a | 796 |
| vile | *$p^hul$-a | 125 |
| violence | *ħal-a | 708 |
| violent, to be | *ʔ$ek^h$- | 658 |
| violent movement | *ʔ$ek^h$-a | 658 |
| virility | *g[e]n-d-a | 378 |
| visibility | *c'ar-a or *č'ar-a | 310 |
| | *gal-a | 360 |
| visible | *c'ar-a or *č'ar-a | 310 |
| visible, that which is | *xaŋ-a | 773 |
| visible, to be or become | *c'ar- or *č'ar- | 310 |
| | *gal- | 360 |
| voice | *baħ-a | 14 |
| vomit | *$p^hut^h$-a | 136 |
| | *wam-a | 806 |
| vomit, to | *$p^hut^h$- | 136 |
| voyage | *ɢal-a | 555 |
| wail | *wal-a | 799 |
| walk | *$k^{wh}al$-a | 513 |
| | *mar-a | 880 |
| walk, to | *bar- | 37 |
| | *$gir^y$- or *$ɢir^y$- | 388 |
| | *$k^{wh}al$- | 513 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *mar- | 880 |
| walking | *bar-a | 37 |
| | *$k^{wh}$al-a | 513 |
| | *mar-a | 880 |
| wall | *c'ur-a | 314 |
| | *gir-a | 386 |
| wandering | *$k^{wh}$al-a | 513 |
| wane, to | *$t^h$ar- | 198 |
| want | *bad-a | 8 |
| | *gaʔ-a | 350 |
| | *k'al-a | 463 |
| | *ʔek'-a | 659 |
| | *ħiw-a, *ħiy-a | 737 |
| want, to be in | *ħiw-, *ħiy- | 737 |
| wanting | *gaʔ-a | 350 |
| | *k'al-a | 463 |
| wanting, to be | *ʔek'- | 659 |
| warder | *war-a | 813 |
| warm | *$p^h$e$k^{wh}$-a | 115 |
| | *t'ab-a | 217 |
| | *$k^h$um-a | 452 |
| warm, to | *$p^h$aħ- | 130 |
| | *$p^h$aħ-V-w- | 130 |
| | *dul- | 172 |
| | *$t^h$e$p^h$- | 204 |
| | *$s^y$a$x^w$- | 281 |
| | *k'al- | 464 |
| | *$g^w$ir- | 511 |
| | *wal- | 802 |
| warm, to be | *$p^h$al$^y$- | 95 |
| | *$p^h$e$k^{wh}$- | 115 |
| warm, to be or become | *t'ab- | 217 |
| | *$s^y$a$x^w$- | 281 |
| | *$k^h$ay- | 439 |
| warm, to make | *t'ab- | 217 |
| | *$k^h$ay- | 439 |
| warm oneself, to | *ʔa$k^{wh}$- | 626 |
| warmth | *$p^h$e$k^{wh}$-a | 115 |
| | *dul-a | 172 |
| | *$t^h$e$p^h$-a | 204 |
| | *t'ab-a | 217 |
| | *$s^y$a$x^w$-a | 281 |
| | *$k^h$um-a | 452 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *wal-a | 802 |
| | *war-a | 817 |
| wash, to | *ħal- | 709 |
| | *law- | 958 |
| washed | *ħal-a | 709 |
| washed, that which is | *ʔal-a | 627 |
| washing, the act of | *ʔal-a | 627 |
| | *ħal-a | 709 |
| | *law-a | 958 |
| waste | *bad-a | 6 |
| waste, to | *bad- | 6 |
| waste away, to | *$t^h$aħ- | 185 |
| | *$t^{yh}$um- | 263 |
| | *k'er- | 489 |
| | *wal- | 803 |
| | *was$^y$- | 820 |
| waste away by rubbing, to | *ħur- | 743 |
| wasted | *ʒaw-a | 333 |
| | *k'er-a | 489 |
| wasted, to become | *ʔeb- | 657 |
| wasteland | *bad-a | 6 |
| wasting away | *was$^y$-a | 820 |
| watch | *war-a | 813 |
| watch, to | *guw- | 399 |
| | *$k^h$al- | 409 |
| | *rak'- | 967 |
| watch out for, to | *war- | 813 |
| watch (over), to | *$p^h$in$^y$- | 118 |
| watch over, to | *man- | 870 |
| watchfulness | *rak'-a | 967 |
| watchman | *war-a | 813 |
| | *man-a | 870 |
| water | *ham-a | 693 |
| | *yam-a | 786 |
| | *wet'-a | 831 |
| | *maw-a | 889 |
| water, (flowing or running) | *ħap$^h$-a | 720 |
| water, running | *waǯ-a | 826 |
| water, to | *law- | 958 |
| watercourse | *ɢal-a | 556 |
| waterfowl | *gaŋ-a | 367 |
| wattle | *ɢub-a | 569 |
| wave | *wel$^y$-a | 830 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| way (= method) | *ħar-a | 721 |
| way (= path) | *k'$^{w}$al-a | 535 |
| | *q$^{h}$ad-a | 570 |
| | *ʔiy-a | 673 |
| | *mar-a | 880 |
| way, winding | *dar-a | 152 |
| we | *wa- (~ *wə-) | 791 |
| | *ma (~ *mə) | 892 |
| | *na (~ *nə) | 912 |
| weak | *bul-a | 69 |
| | *dal$^{y}$-a | 150 |
| | *gin-a or *ɢin-a | 384 |
| | *xal-a | 769 |
| | *mel-a | 890 |
| | *nus$^{y}$-a | 934 |
| weak, that which is | *bul-a | 69 |
| weak, to be | *t$^{y}$$^{h}$um- | 263 |
| | *gin- or *ɢin- | 384 |
| | *ʔek'- | 659 |
| | *wal- | 803 |
| | *nus$^{y}$- | 934 |
| weak, to become | *bul- | 69 |
| | *t$^{y}$$^{h}$um- | 263 |
| | *ʔeb- | 657 |
| | *mel- | 890 |
| | *mol- | 899 |
| weak, to grow | *dow-, *doy- | 169 |
| weaken, to | *bad- | 9 |
| | *bul- | 69 |
| | *dal$^{y}$- | 150 |
| | *xal- | 769 |
| weakened | *p$^{h}$ul-a | 125 |
| | *ʔeb-a | 657 |
| | *mur-a | 905 |
| weakened, to be | *xal- | 769 |
| | *mar$^{y}$- | 885 |
| | *nus$^{y}$- | 936 |
| weakness | *bul-a | 69 |
| | *dal$^{y}$-a | 150 |
| | *ʔeb-a | 657 |
| | *xal-a | 769 |
| | *wal-a | 803 |
| | *mel-a | 890 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *$nus^y$-a | 936 |
| wealth | *c'al-a or *č'al-a | 308 |
| | *ħap$^h$-a | 719 |
| | *riy-a | 972 |
| wealthy, to be | *c'al- or *č'al- | 308 |
| weapon | *ʒer-a or *ǯer-a | 297 |
| | *wed-a | 827 |
| wear (= abrasion) | *bul-a | 69 |
| | *$t^h$aħ-a | 185 |
| | *$t^h$ar-a | 197 |
| wear away, to | *$t^h$aħ- | 185 |
| wear away by rubbing, to | *ħur- | 743 |
| wear down, to | *bul- | 69 |
| | *$t^h$ar- | 197 |
| | *xal- | 769 |
| wear out, to | *ǯaw- | 333 |
| | *k'er- | 489 |
| | *xal- | 769 |
| | *wal- | 803 |
| | *$was^y$- | 820 |
| | *mel- | 890 |
| | *mol- | 899 |
| wearied (from straining, laboring), to become | *k'ac$^h$- | 456 |
| weariness | *$dal^y$-a | 150 |
| | *dow-a, *doy-a | 169 |
| | *$t^h$$an^y$-a | 192 |
| | *$t^{yh}$um-a | 263 |
| | *xal-a | 769 |
| | *$was^y$-a | 819 |
| weary | *$dal^y$-a | 150 |
| | *dow-a, *doy-a | 169 |
| | *$t^h$$an^y$-a | 192 |
| | *xal-a | 769 |
| | *mel-a | 890 |
| weary, to | *$t^{yh}$um- | 263 |
| weary, to be | *$t^{yh}$um- | 263 |
| weary, to be or become | *$was^y$- | 819 |
| weary, to become | *$t^{yh}$um- | 263 |
| | *mel- | 890 |
| | *mol- | 899 |
| weary, to grow | *dow-, *doy- | 169 |
| | *$t^h$$an^y$- | 192 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| weave, to | *t'an- | 227 |
| | *$k^h at^h$- | 432 |
| | *ħaw- | 732 |
| | *$net'^y$- | 929 |
| weaving | *ʕ$or^y$-a | 763 |
| | *$net'^y$-a | 929 |
| weaving, the act of | *ħaw-a | 732 |
| web | *$net'^y$-a | 929 |
| wedge | *$t'ul^y$-a | 245 |
| weep, to | *k'um- | 500 |
| weighed down, to be | *ħag- | 703 |
| weight | *$k'^w ur^y$-a | 553 |
| weighty | *$k'^w ur^y$-a | 553 |
| weighty, to be | *$k'^w ur^y$- | 553 |
| welfare | *$s^y ol$-a | 287 |
| well | *$s^y ol$-a | 287 |
| well, to be | *$s^y ol$- | 287 |
| | *$s^y uw$- | 291 |
| well, to do | *c'al- or *č'al- | 308 |
| well up, to | *bal- | 19 |
| | *ʔib- | 666 |
| | *$wel^y$- | 830 |
| wet | *šuw-a | 349 |
| | *šuw-l-a | 349 |
| | *wal-a | 801 |
| | *mat'-a | 888 |
| | *nat'-a | 927 |
| wet, to | *$t'al^y$- | 224 |
| | *wal- | 801 |
| | *wet'- | 831 |
| | *nat'- | 927 |
| | *laħ- | 946 |
| | *rek'- | 971 |
| wet, to be | *šuw- | 349 |
| | *šuw-V-l- | 349 |
| | *maw- | 889 |
| wet, to be or become | *mat'- | 888 |
| wet, to make | *šuw- | 349 |
| | *šuw-V-l- | 349 |
| wetness | *wal-a | 801 |
| | *mat'-a | 888 |
| | *nat'-a | 927 |
| | *laħ-a | 946 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| what [relative pronoun stem] | *ʔay-, *ʔya- | 651 |
| | *ma- (~ *mə-) | 891 |
| what? [interrogative pronoun stem] | *ʔay-, *ʔya- | 651 |
| | *mi- (~ *me-) | 891 |
| what?, to do | *ʔay- | 650 |
| what manner?, to act in | *ʔay- | 650 |
| when | *$k^{wh}$ay- | 525 |
| whet, to | *ʒag- | 294 |
| which [relative pronoun stem] | *ʔay-, *ʔya- | 651 |
| | *ma- (~ *mə-) | 891 |
| which? [interrogative pronoun stem] | *ʔay-, *ʔya- | 651 |
| | *mi- (~ *me-) | 891 |
| whirl | *bur-a | 75 |
| whirl, to | *bur- | 75 |
| | *mar- | 879 |
| whisper | *$k'^{w}$as-a | 546 |
| whisper, to | *$k'^{w}$as- | 546 |
| white | *$wal^{y}$-a | 805 |
| whiteness | *$wal^{y}$-a | 805 |
| who [relative pronoun stem] | *ʔay-, *ʔya- | 651 |
| | *ma- (~ *mə-) | 891 |
| who? [interrogative pronoun stem] | *ʔay-, *ʔya- | 651 |
| | *mi- (~ *me-) | 891 |
| wicked, to be | *$ʔak^{h}$- | 622 |
| wickedness | *$t'^{y}$aw-a | 273 |
| | *$ʔak^{h}$-a | 622 |
| (wide) | *$t^{h}al^{y}$-a | 189 |
| wide | *$p^{h}$al-a | 89 |
| | *$p^{h}at^{h}$-a | 112 |
| | *$t^{h}an^{y}$-a | 191 |
| | *ʔut'-a | 686 |
| | *war-a | 815 |
| | *raw-ħ-a | 970 |
| wide-open space | *ʔut'-a | 686 |
| | *ħak'-a | 706 |
| wide, that which is | *$p^{h}$al-a | 89 |
| wide, to be | *raw-V-ħ- | 970 |
| widen, to | *ħak'- | 706 |
| width | *$p^{h}$ar-a | 100 |
| | *$t^{h}an^{y}$-a | 191 |
| | *war-a | 815 |
| wife | *$k'^{w}$an-a | 539 |
| | *$nus^{y}$-a | 935 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| wild | *guw-a | 400 |
| | *guw-r-a | 400 |
| wild animal | *guw-a | 400 |
| | *guw-r-a | 400 |
| wild animals, to hunt | *guw- | 400 |
| | *guw-V-r- | 400 |
| wild beast | *guw-a | 400 |
| | *guw-r-a | 400 |
| wild boar | *$s^y$aw-a | 280 |
| wild bovine | *$t^yh$om-a | 262 |
| wild fowl | *ɢar$^y$-a | 563 |
| | *ɢar$^y$-ɢar$^y$-a | 563 |
| wild goose | *ɢar$^y$-a | 563 |
| | *ɢar$^y$-ɢar$^y$-a | 563 |
| wild, to be | *ʔek$^h$- | 658 |
| | *xam- | 771 |
| | *xam-V-d- | 771 |
| wind (= breeze) | *bar-a | 28 |
| wind, to | *č$^h$ok$^h$- | 338 |
| | *k'ar- | 481 |
| | *g$^w$ar- | 510 |
| wind around, to | *k$^h$ar- | 424 |
| winding couse or way | *dar-a | 152 |
| winding, the act of | *č$^h$ok$^h$-a | 338 |
| winds, that which | *dar-a | 152 |
| wipe, to | *mal- | 863 |
| | *mel- | 890 |
| | *mol- | 899 |
| wiped out | *ʔeb-a | 657 |
| wiped out, to become | *ʔeb- | 657 |
| wiping, the act of | *mal-a | 863 |
| wisdom | *ħak$^h$-a | 705 |
| wish | *t'el-a | 237 |
| | *win-a or *wiŋ-a | 834 |
| wish for, to | *win- or *wiŋ- | 834 |
| with | *bi | 46 |
| | *ħar$^y$- | 725 |
| | *mat$^h$- or *met$^h$- | 886 |
| wither, to | *t$^h$ar- | 198 |
| | *ʒaʔ- | 329 |
| | *k'er- | 489 |
| | *wal- | 803 |
| | *was$^y$- | 820 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| wither away, to | *$mar^{y}$- | 885 |
| withered | *$t^{h}ar$-a | 198 |
| | *$s^{y}aw$-a | 278 |
| | *c'aw-a | 311 |
| | *c'aw-$l^{y}$-a | 311 |
| | *k'er-a | 489 |
| withered, to be | *$s^{y}aw$- | 278 |
| withered, to be or become | *c'aw- | 311 |
| | *c'aw-V-$l^{y}$- | 311 |
| withered, that which is | *c'aw-a | 311 |
| | *c'aw-$l^{y}$-a | 311 |
| woe! | *way | 825 |
| woman | *$k'^{w}an$-a | 539 |
| | *nat'-a | 926 |
| | *$nus^{y}$-a | 935 |
| woman, (older) | *ʔema | 661 |
| woman, old | *p'ap'-a | 139 |
| womb | *$wat'^{y}$-a | 824 |
| wood | *mar-a | 884 |
| wood of the poplar | *$t'^{y}ar$-a | 270 |
| wool | *bur-a | 78 |
| word | *yan-a | 787 |
| work | *daw-a | 157 |
| | *$k^{h}am$-a | 414 |
| | *$k^{wh}ir$-a | 529 |
| work, hard | *$q^{h}ad$-a | 570 |
| work, to | *$k^{h}am$- | 414 |
| worm | *$k^{wh}ur$-a | 531 |
| worn down | *mol-a | 899 |
| worn down, to be | *xal- | 769 |
| worn out | *bul-a | 69 |
| | *$t^{h}ar$-a | 197 |
| | *ʒaw-a | 333 |
| | *k'er-a | 489 |
| | *xal-a | 769 |
| | *mel-a | 890 |
| | *mol-a | 899 |
| worn out, that which is | *bul-a | 69 |
| worn out, to be | *xal- | 769 |
| | *wal- | 803 |
| worn out, to become | *bul- | 69 |
| | *$was^{y}$- | 819 |
| | *mel- | 890 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *mol- | 899 |
| wound | *ban-a | 24 |
| | *$t^h$ar-a | 196 |
| | *$q^h$al-a | 571 |
| | *waħ-a | 795 |
| | *waŋ-a | 811 |
| | *wed-a | 827 |
| | *mir-a | 898 |
| | *nag-a | 921 |
| | *nik$^h$-a | 931 |
| wound, to | *dal- | 148 |
| | *$g^w$an- | 508 |
| | *$q^h$al- | 571 |
| | *q'$^w$al- | 589 |
| | *waħ- | 795 |
| | *waŋ- | 811 |
| | *mir- | 898 |
| woven, anything | *t'an-a | 227 |
| | *net'$^y$-a | 929 |
| woven, that which is | *$k^h$at$^h$-a | 432 |
| wrangle (over), to | *bur- | 73 |
| wrap, to | *$k^h$ad- | 405 |
| | *$g^w$ar- | 510 |
| wrap together, to | *dar- | 152 |
| | *k'ač$^h$- | 457 |
| wrap up, to | *bur- | 77 |
| | *c'ur- | 314 |
| wrapped together | *dar-a | 152 |
| wrapped together, that which is | *c'ur-a | 314 |
| wrapping | *c'ur-a | 314 |
| | *k'ač$^h$-a | 457 |
| wrath | *$q^h$at$^h$-a | 574 |
| wreath | *k'aŋ-a | 473 |
| wrestle, to | *bur- | 73 |
| wrinkle | *k'un-a | 504 |
| wrist | *gam-a | 365 |
| yawn | *haŋ-a | 695 |
| yawn, to | *haŋ- | 695 |
| year | *wat$^h$-a | 822 |
| yelp, to | *$k^h$at$^h$- | 435 |
| yelping | *$k^h$at$^h$-a | 435 |
| yield, to | *ʔeb- | 657 |
| you | *$t^h$i- (~ *$t^h$e-) | 205 |

| English Meaning | Proto-Nostratic | Number |
|---|---|---|
| | *si- (~ *se-) | 325 |
| | *ni (~ *ne) and/or *na (~ *nə) | 930 |
| you [oblique] | *tʰa- (~ *tʰə-) | 205 |
| young | *gin-a or *ɢin-a | 384 |
| | *k'an-a | 469 |
| | *ʔax-a | 620 |
| | *γil-a | 783 |
| | *yaw-a | 788 |
| | *mag-a | 852 |
| young (especially of animals) | *kʰuwan-a or *kʰun-a | 454 |
| young (of humans and animals) | *man-a | 867 |
| young, to be | *gin- or *ɢin- | 384 |
| | *ʔax- | 620 |
| young, to produce | *yaw- | 788 |
| young dog | *kʰuwan-a or *kʰun-a | 454 |
| young goat | *gad-a | 356 |
| (young) man | *mar-a | 878 |
| young man | *ʔax-a | 620 |
| | *nʸaʕ-r-a | 938 |
| young of an animal | *ʕig-a | 761 |
| young one | *gin-a or *ɢin-a | 384 |
| | *nʸapʰ-a | 940 |
| young person | *γil-a | 783 |
| | *yaw-a | 788 |
| | *mag-a | 852 |
| younger brother | *bin-a, *ban-a | 48 |
| | *ʔax-a | 620 |
| younger daughter | *bin-a, *ban-a | 48 |
| younger relative | *bin-a, *ban-a | 48 |
| younger relative (male or female) | *ʔina or *ʔiŋa | 671 |
| younger sister | *bin-a, *ban-a | 48 |
| younger son | *bin-a, *ban-a | 48 |
| youth | *gin-a or *ɢin-a | 384 |
| | *ʔax-a | 620 |
| | *γil-a | 783 |
| | *yaw-a | 788 |
| | *nʸaʕ-r-a | 938 |
| youthful, to be | *ʔax- | 620 |